

GenCore version 5.1.6
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: October 10, 2005, 21:26:15 ; Search time 57.3684 Seconds
(without alignments)
570.445 Million cell updates/sec

Title: US-08-887-505B-28

Perfect score: 20

Sequence: 1 TTCGCGACCCAACTACTC 20

Scoring table: OLIGO NUC

Scoring table: GRISS_NOC
Gapop 60.0 , Gapext 60.0

Searched: 1202784 seqs, 818138359 residues

Word size : 0

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Listing first 100 summaries

Database : Issued Patents NA: *

1: /cgn2 6/ptodata/1/ina/5A COMB.seq:*

2: /cgn2_6/ptodata/1/ina/5B_COMB.seq:*

3: /cgn2_6/ptodata/1/ina/6A_COMB.seq:*

4: /cgn2_6/ptodata/1/ina/6B_COMB.seq:*

5: /cgn2_6/ptodata/1/ina/PCTUS COMB.seq:*

```
6: /cgnz_6/prodata/1/ina/backrllesl.seq:"
```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query			DB	ID	Description	
	Score	Match	Length				
C	1	20	100.0	25	4	US-09-493-353-13	Sequence 13, Appl
	2	20	100.0	27	3	US-08-648-272-21	Sequence 21, Appl
	3	20	100.0	27	4	US-09-494-332A-12	Sequence 12, Appl
	4	20	100.0	27	4	US-09-493-353-12	Sequence 12, Appl
C	5	20	100.0	33	4	US-08-438-639-50	Sequence 50, Appl
	6	20	100.0	33	1	US-07-613-338A-50	Sequence 50, Appl
	7	20	100.0	33	2	US-08-470-124-60	Sequence 60, Appl
	8	20	100.0	33	3	US-08-441-971-126	Sequence 126, Appl
C	9	20	100.0	33	3	US-08-221-653-126	Sequence 126, Appl
	10	20	100.0	33	3	US-08-442-144A-126	Sequence 126, Appl
	11	20	100.0	33	3	US-08-441-970-126	Sequence 126, Appl
	12	20	100.0	40	3	US-09-358-972-181	Sequence 181, Appl
C	13	20	100.0	40	3	US-09-406-147-43	Sequence 43, Appl
C	14	20	100.0	40	4	US-09-790-417-181	Sequence 181, Appl
	15	20	100.0	46	1	US-08-429-181-10	Sequence 10, Appl
	16	20	100.0	46	1	US-08-164-388-10	Sequence 10, Appl
	17	20	100.0	108	1	US-09-798-641-31	Sequence 31, Appl
C	18	20	100.0	108	2	US-08-690-495-31	Sequence 31, Appl
	19	20	100.0	108	2	US-08-690-494-31	Sequence 31, Appl
	20	20	100.0	108	4	US-09-299-217-31	Sequence 31, Appl
	21	20	100.0	108	4	US-09-728-265-31	Sequence 31, Appl
C	22	20	100.0	108	5	PC7-US95-07671-31	Sequence 31, Appl
	23	20	100.0	194	1	US-08-244-116B-12	Sequence 12, Appl
	24	20	100.0	232	3	US-09-034-205-37	Sequence 37, Appl
	25	20	100.0	232	3	US-08-934-097A-37	Sequence 37, Appl
C	26	20	100.0	232	3	US-08-851-588-37	Sequence 37, Appl
C	27	20	100.0	232	3	US-09-677-219B-37	Sequence 37, Appl

C 101	20	100.0	244	4	US-09-825-574-27	Sequence 27, Appl	C 174	20	100.0	256	2	US-07-965-285-25	Sequence 25, Appl
C 102	20	100.0	244	4	US-09-825-574-29	Sequence 29, Appl	C 175	20	100.0	256	2	US-07-965-285-26	Sequence 26, Appl
C 103	20	100.0	244	4	US-09-825-574-31	Sequence 31, Appl	C 176	20	100.0	256	2	US-08-487-231-1	Sequence 1, Appl
C 104	20	100.0	244	4	US-09-676-768-26	Sequence 26, Appl	C 177	20	100.0	256	2	US-08-487-231-24	Sequence 24, Appl
C 105	20	100.0	244	4	US-09-676-768-27	Sequence 27, Appl	C 178	20	100.0	256	2	US-08-487-231-25	Sequence 25, Appl
C 106	20	100.0	244	4	US-09-676-768-29	Sequence 29, Appl	C 179	20	100.0	256	2	US-08-487-231-26	Sequence 26, Appl
C 107	20	100.0	244	4	US-09-676-768-31	Sequence 31, Appl	C 180	20	100.0	256	3	US-09-201-912-1	Sequence 1, Appl
C 108	20	100.0	252	3	US-08-441-971-33	Sequence 33, Appl	C 181	20	100.0	256	3	US-09-201-912-24	Sequence 24, Appl
C 109	20	100.0	252	3	US-08-441-971-34	Sequence 34, Appl	C 182	20	100.0	256	3	US-09-201-912-25	Sequence 25, Appl
C 110	20	100.0	252	3	US-08-441-971-35	Sequence 35, Appl	C 183	20	100.0	256	3	US-09-201-912-26	Sequence 26, Appl
C 111	20	100.0	252	3	US-08-441-971-36	Sequence 36, Appl	C 184	20	100.0	281	2	US-08-757-653-121	Sequence 121, Appl
C 112	20	100.0	252	3	US-08-441-971-37	Sequence 37, Appl	C 185	20	100.0	281	2	US-08-757-653-123	Sequence 123, Appl
C 113	20	100.0	252	3	US-08-441-971-38	Sequence 38, Appl	C 186	20	100.0	281	2	US-08-757-653-126	Sequence 126, Appl
C 114	20	100.0	252	3	US-08-441-971-39	Sequence 39, Appl	C 187	20	100.0	281	2	US-08-757-653-127	Sequence 127, Appl
C 115	20	100.0	252	3	US-08-441-971-40	Sequence 40, Appl	C 188	20	100.0	281	2	US-08-757-653-128	Sequence 128, Appl
C 116	20	100.0	252	3	US-08-441-971-41	Sequence 41, Appl	C 189	20	100.0	281	2	US-08-757-653-129	Sequence 129, Appl
C 117	20	100.0	252	3	US-08-441-971-42	Sequence 42, Appl	C 190	20	100.0	281	2	US-08-757-653-132	Sequence 132, Appl
C 118	20	100.0	252	3	US-08-441-971-43	Sequence 43, Appl	C 191	20	100.0	281	3	US-08-520-946-121	Sequence 121, Appl
C 119	20	100.0	252	3	US-08-441-971-44	Sequence 44, Appl	C 192	20	100.0	281	3	US-08-520-946-123	Sequence 123, Appl
C 120	20	100.0	252	3	US-08-441-971-45	Sequence 45, Appl	C 193	20	100.0	281	3	US-08-520-946-126	Sequence 126, Appl
C 121	20	100.0	252	3	US-08-441-971-48	Sequence 48, Appl	C 194	20	100.0	281	3	US-08-520-946-127	Sequence 127, Appl
C 122	20	100.0	252	3	US-08-441-971-49	Sequence 49, Appl	C 195	20	100.0	281	3	US-08-520-946-128	Sequence 128, Appl
C 123	20	100.0	252	3	US-08-221-653-33	Sequence 33, Appl	C 196	20	100.0	281	3	US-08-520-946-129	Sequence 129, Appl
C 124	20	100.0	252	3	US-08-221-653-34	Sequence 34, Appl	C 197	20	100.0	281	3	US-08-520-946-132	Sequence 132, Appl
C 125	20	100.0	252	3	US-08-221-653-35	Sequence 35, Appl	C 198	20	100.0	281	4	US-09-655-378A-121	Sequence 121, Appl
C 126	20	100.0	252	3	US-08-221-653-36	Sequence 36, Appl	C 199	20	100.0	281	4	US-09-655-378A-123	Sequence 123, Appl
C 127	20	100.0	252	3	US-08-221-653-37	Sequence 37, Appl	C 200	20	100.0	281	4	US-09-655-378A-126	Sequence 126, Appl
C 128	20	100.0	252	3	US-08-221-653-38	Sequence 38, Appl	C 201	20	100.0	281	4	US-09-655-378A-127	Sequence 127, Appl
C 129	20	100.0	252	3	US-08-221-653-39	Sequence 39, Appl	C 202	20	100.0	281	4	US-09-655-378A-128	Sequence 128, Appl
C 130	20	100.0	252	3	US-08-221-653-40	Sequence 40, Appl	C 203	20	100.0	281	4	US-09-655-378A-129	Sequence 129, Appl
C 131	20	100.0	252	3	US-08-221-653-41	Sequence 41, Appl	C 204	20	100.0	281	4	US-09-655-378A-132	Sequence 132, Appl
C 132	20	100.0	252	3	US-08-221-653-42	Sequence 42, Appl	C 205	20	100.0	282	2	US-08-757-653-124	Sequence 124, Appl
C 133	20	100.0	252	3	US-08-221-653-43	Sequence 43, Appl	C 206	20	100.0	282	2	US-08-757-653-130	Sequence 130, Appl
C 134	20	100.0	252	3	US-08-221-653-44	Sequence 44, Appl	C 207	20	100.0	282	3	US-08-520-946-134	Sequence 134, Appl
C 135	20	100.0	252	3	US-08-221-653-45	Sequence 45, Appl	C 208	20	100.0	282	3	US-08-520-946-130	Sequence 130, Appl
C 136	20	100.0	252	3	US-08-221-653-48	Sequence 48, Appl	C 209	20	100.0	282	4	US-09-655-378A-124	Sequence 124, Appl
C 137	20	100.0	252	3	US-08-221-653-49	Sequence 49, Appl	C 210	20	100.0	282	4	US-09-655-378A-130	Sequence 130, Appl
C 138	20	100.0	252	3	US-08-442-144A-33	Sequence 33, Appl	C 211	20	100.0	286	3	US-09-034-205-21	Sequence 21, Appl
C 139	20	100.0	252	3	US-08-442-144A-34	Sequence 34, Appl	C 212	20	100.0	286	3	US-08-934-097A-21	Sequence 21, Appl
C 140	20	100.0	252	3	US-08-442-144A-35	Sequence 35, Appl	C 213	20	100.0	286	3	US-08-851-588-21	Sequence 21, Appl
C 141	20	100.0	252	3	US-08-442-144A-36	Sequence 36, Appl	C 214	20	100.0	286	3	US-09-677-218B-21	Sequence 21, Appl
C 142	20	100.0	252	3	US-08-442-144A-37	Sequence 37, Appl	C 215	20	100.0	286	3	US-09-677-192-21	Sequence 21, Appl
C 143	20	100.0	252	3	US-08-442-144A-38	Sequence 38, Appl	C 216	20	100.0	286	4	US-09-402-618B-21	Sequence 21, Appl
C 144	20	100.0	252	3	US-08-442-144A-39	Sequence 39, Appl	C 217	20	100.0	286	4	US-09-825-574-21	Sequence 21, Appl
C 145	20	100.0	252	3	US-08-442-144A-40	Sequence 40, Appl	C 218	20	100.0	286	4	US-09-676-768-21	Sequence 21, Appl
C 146	20	100.0	252	3	US-08-442-144A-41	Sequence 41, Appl	C 219	20	100.0	289	3	US-09-034-205-20	Sequence 20, Appl
C 147	20	100.0	252	3	US-08-442-144A-42	Sequence 42, Appl	C 220	20	100.0	289	3	US-09-034-205-23	Sequence 23, Appl
C 148	20	100.0	252	3	US-08-442-144A-43	Sequence 43, Appl	C 221	20	100.0	289	3	US-08-934-097A-20	Sequence 20, Appl
C 149	20	100.0	252	3	US-08-442-144A-44	Sequence 44, Appl	C 222	20	100.0	289	3	US-08-934-097A-23	Sequence 23, Appl
C 150	20	100.0	252	3	US-08-442-144A-45	Sequence 45, Appl	C 223	20	100.0	289	3	US-08-851-588-20	Sequence 20, Appl
C 151	20	100.0	252	3	US-08-442-144A-48	Sequence 48, Appl	C 224	20	100.0	289	3	US-08-851-588-23	Sequence 23, Appl
C 152	20	100.0	252	3	US-08-442-144A-49	Sequence 49, Appl	C 225	20	100.0	289	3	US-09-677-218B-20	Sequence 20, Appl
C 153	20	100.0	252	3	US-08-441-970-33	Sequence 33, Appl	C 226	20	100.0	289	3	US-09-677-218B-23	Sequence 23, Appl
C 154	20	100.0	252	3	US-08-441-970-34	Sequence 34, Appl	C 227	20	100.0	289	3	US-09-677-192-20	Sequence 20, Appl
C 155	20	100.0	252	3	US-08-441-970-35	Sequence 35, Appl	C 228	20	100.0	289	3	US-09-677-192-23	Sequence 23, Appl
C 156	20	100.0	252	3	US-08-441-970-36	Sequence 36, Appl	C 229	20	100.0	289	4	US-09-402-618B-20	Sequence 20, Appl
C 157	20	100.0	252	3	US-08-441-970-37	Sequence 37, Appl	C 230	20	100.0	289	4	US-09-402-618B-23	Sequence 23, Appl
C 158	20	100.0	252	3	US-08-441-970-38	Sequence 38, Appl	C 231	20	100.0	289	4	US-09-825-574-20	Sequence 20, Appl
C 159	20	100.0	252	3	US-08-441-970-39	Sequence 39, Appl	C 232	20	100.0	289	4	US-09-825-574-23	Sequence 23, Appl
C 160	20	100.0	252	3	US-08-441-970-40	Sequence 40, Appl	C 233	20	100.0	289	4	US-09-676-768-20	Sequence 20, Appl
C 161	20	100.0	252	3	US-08-441-970-41	Sequence 41, Appl	C 234	20	100.0	289	4	US-09-676-768-23	Sequence 23, Appl
C 162	20	100.0	252	3	US-08-441-970-42	Sequence 42, Appl	C 235	20	100.0	305	1	US-08-332-616A-1	Sequence 1, Appl
C 163	20	100.0	252	3	US-08-441-970-43	Sequence 43, Appl	C 236	20	100.0	305	1	US-08-317-220-1	Sequence 1, Appl
C 164	20	100.0	252	3	US-08-441-970-44	Sequence 44, Appl	C 237	20	100.0	308	3	US-08-444-818-108	Sequence 108, Appl
C 165	20	100.0	252	3	US-08-441-970-45	Sequence 45, Appl	C 238	20	100.0	308	3	US-08-444-818-109	Sequence 109, Appl
C 166	20	100.0	252	3	US-08-441-970-48	Sequence 48, Appl	C 239	20	100.0	308	3	US-08-444-818-110	Sequence 110, Appl
C 167	20	100.0	252	3	US-08-441-970-49	Sequence 49, Appl	C 240	20	100.0	308	3	US-08-444-818-112	Sequence 112, Appl
C 168	20	100.0	256	2	US-08-483-695-1	Sequence 1, Appl	C 241	20	100.0	308	3	US-08-444-818-114	Sequence 114, Appl
C 169	20	100.0	256	2	US-08-483-695-24	Sequence 24, Appl	C 242	20	100.0	308	3	US-08-444-818-116	Sequence 116, Appl
C 170	20	100.0	256	2	US-08-483-695-25	Sequence 25, Appl	C 243	20	100.0	308	3	US-08-444-818-118	Sequence 118, Appl
C 171	20	100.0	256	2	US-08-483-695-26	Sequence 26, Appl	C 244	20	100.0	324	2	US-08-470-426B-1	Sequence 1, Appl
C 172	20	100.0	256	2	US-07-965-285-1	Sequence 1, Appl	C 245	20	100.0	324	2	US-08-470-426B-15	Sequence 15, Appl
C 173	20	100.0	256	2	US-07-965-285-24	Sequence 24, Appl	C 246	20	100.0	337	2	US-08-756-386-56	Sequence 56, Appl

C 247	20	100.0	337	2	US-08-823-516-45	Sequence 45, Appl	C 320	20	100.0	8643	4	US-10-029-907-4	Sequence 4, Appl
C 248	20	100.0	337	3	US-08-682-853A-56	Sequence 56, Appl	C 321	20	100.0	8648	4	US-10-029-907-5	Sequence 5, Appl
C 249	20	100.0	337	3	US-08-759-038-56	Sequence 56, Appl	C 322	20	100.0	8649	4	US-09-539-601-13	Sequence 13, Appl
C 250	20	100.0	337	3	US-08-758-314-56	Sequence 56, Appl	C 323	20	100.0	9185	3	US-08-444-818-122	Sequence 122, App
C 251	20	100.0	337	3	US-09-350-309-56	Sequence 56, Appl	C 324	20	100.0	9185	3	US-08-444-818-123	Sequence 123, App
C 252	20	100.0	337	4	US-09-684-938-56	Sequence 56, Appl	C 325	20	100.0	9365	4	US-09-827-688-7	Sequence 7, Appl
C 253	20	100.0	337	4	US-09-308-825A-56	Sequence 56, Appl	C 326	20	100.0	9379	3	US-08-444-818-1176	Sequence 176, App
C 254	20	100.0	337	4	US-09-940-244-45	Sequence 45, Appl	C 327	20	100.0	9379	3	US-09-388-874-1	Sequence 1, Appl
C 255	20	100.0	337	4	US-09-333-145-56	Sequence 56, Appl	C 328	20	100.0	9379	4	US-09-916-350-1	Sequence 1, Appl
C 256	20	100.0	341	2	US-08-440-209-1	Sequence 1, Appl	C 329	20	100.0	9401	1	US-07-910-760-9	Sequence 9, Appl
C 257	20	100.0	341	3	US-08-854-531-4	Sequence 4, Appl	C 330	20	100.0	9401	1	US-08-440-519-9	Sequence 9, Appl
C 258	20	100.0	341	3	US-08-439-996-1	Sequence 1, Appl	C 331	20	100.0	9401	2	US-08-432-693-1	Sequence 1, Appl
C 259	20	100.0	341	3	US-09-014-416-47	Sequence 47, Appl	C 332	20	100.0	9401	3	US-08-440-549-9	Sequence 9, Appl
C 260	20	100.0	341	3	US-09-014-416-48	Sequence 48, Appl	C 333	20	100.0	9401	3	US-08-823-895A-25	Sequence 25, Appl
C 261	20	100.0	341	3	US-09-014-416-49	Sequence 49, Appl	C 334	20	100.0	9401	5	PCT-US91-02225-9	Sequence 9, Appl
C 262	20	100.0	341	4	US-08-869-380-4	Sequence 4, Appl	C 335	20	100.0	9413	4	US-09-827-688-6	Sequence 6, Appl
C 263	20	100.0	341	4	US-09-814-351-3	Sequence 3, Appl	C 336	20	100.0	9416	1	US-08-324-977-1	Sequence 1, Appl
C 264	20	100.0	341	5	PCT-US95-13552-4	Sequence 4, Appl	C 337	20	100.0	9416	2	US-08-384-616-1	Sequence 1, Appl
C 265	20	100.0	342	3	US-08-474-700B-39	Sequence 39, Appl	C 338	20	100.0	9416	3	US-08-904-686A-1	Sequence 1, Appl
C 266	20	100.0	347	4	US-08-150-204E-100	Sequence 100, App	C 339	20	100.0	9416	3	US-08-811-566-19	Sequence 19, Appl
C 267	20	100.0	350	2	US-07-863-622-1	Sequence 1, Appl	C 340	20	100.0	9416	3	US-09-315-850-1	Sequence 1, Appl
C 268	20	100.0	350	5	PCT-US93-03266-1	Sequence 1, Appl	C 341	20	100.0	9416	3	US-09-034-756-19	Sequence 19, Appl
C 269	20	100.0	359	4	US-08-150-204E-99	Sequence 99, Appl	C 342	20	100.0	9416	3	US-08-823-895A-26	Sequence 26, Appl
C 270	20	100.0	360	4	US-08-150-204E-98	Sequence 98, Appl	C 343	20	100.0	9416	3	US-08-823-895A-27	Sequence 27, Appl
C 271	20	100.0	386	2	US-08-757-653-122	Sequence 122, App	C 344	20	100.0	9416	4	US-10-104-965-13	Sequence 13, Appl
C 272	20	100.0	386	3	US-08-520-946-122	Sequence 122, App	C 345	20	100.0	9472	4	US-08-150-204E-56	Sequence 96, Appl
C 273	20	100.0	386	4	US-09-655-378A-122	Sequence 122, App	C 346	20	100.0	9595	3	US-09-014-416-4	Sequence 4, Appl
C 274	20	100.0	504	3	US-08-191-160-18	Sequence 18, Appl	C 347	20	100.0	9599	3	US-09-014-416-2	Sequence 2, Appl
C 275	20	100.0	587	4	US-09-720-201A-2	Sequence 2, Appl	C 348	20	100.0	9599	3	US-09-014-416-6	Sequence 6, Appl
C 276	20	100.0	652	3	US-08-836-075A-59	Sequence 59, Appl	C 349	20	100.0	9646	3	US-08-811-566-1	Sequence 1, Appl
C 277	20	100.0	665	3	US-08-444-818-94	Sequence 94, Appl	C 350	20	100.0	9646	3	US-09-034-756-1	Sequence 1, Appl
C 278	20	100.0	665	3	US-08-444-818-95	Sequence 95, Appl	C 351	20	100.0	11076	4	US-09-539-601-1	Sequence 1, Appl
C 279	20	100.0	665	3	US-08-444-818-96	Sequence 96, Appl	C 352	20	100.0	11076	4	US-09-539-601-19	Sequence 19, Appl
C 280	20	100.0	665	3	US-08-444-818-98	Sequence 98, Appl	C 353	20	100.0	11076	4	US-09-539-601-25	Sequence 25, Appl
C 281	20	100.0	665	3	US-08-444-818-100	Sequence 100, App	C 354	20	100.0	11076	4	US-09-539-601-31	Sequence 31, Appl
C 282	20	100.0	685	3	US-08-444-818-102	Sequence 102, App	C 355	20	100.0	12980	3	US-08-811-566-5	Sequence 5, Appl
C 283	20	100.0	685	4	US-09-690-936-37	Sequence 37, Appl	C 356	20	100.0	12980	3	US-09-034-756-5	Sequence 5, Appl
C 284	20	100.0	686	3	US-08-988-321B-37	Sequence 37, Appl	C 357	19	95.0	19	1	US-08-466-033-7	Sequence 7, Appl
C 285	20	100.0	686	3	US-08-397-220B-25	Sequence 25, Appl	C 358	19	95.0	19	2	US-08-464-733-7	Sequence 7, Appl
C 286	20	100.0	686	3	US-08-650-093C-25	Sequence 25, Appl	C 359	19	95.0	19	2	US-08-464-134-7	Sequence 7, Appl
C 287	20	100.0	702	4	US-09-720-201A-3	Sequence 3, Appl	C 360	19	95.0	19	2	US-08-461-361-7	Sequence 7, Appl
C 288	20	100.0	780	3	US-08-474-700B-45	Sequence 45, Appl	C 361	19	95.0	19	2	US-08-485-910-7	Sequence 7, Appl
C 289	20	100.0	803	1	US-08-157-235-2	Sequence 1, Appl	C 362	19	95.0	19	4	US-09-431-901-2	Sequence 2, Appl
C 290	20	100.0	803	1	US-08-157-235-3	Sequence 2, Appl	C 363	19	95.0	19	5	PCT-US95-06266-7	Sequence 7, Appl
C 291	20	100.0	803	1	US-08-157-235-3	Sequence 3, Appl	C 364	19	95.0	26	1	US-08-240-547-16	Sequence 16, Appl
C 292	20	100.0	803	1	US-08-157-235-4	Sequence 4, Appl	C 365	19	95.0	177	2	US-08-256-568B-57	Sequence 57, Appl
C 293	20	100.0	803	1	US-08-157-235-5	Sequence 5, Appl	C 366	19	95.0	177	2	US-08-256-568B-58	Sequence 58, Appl
C 294	20	100.0	803	1	US-08-157-235-6	Sequence 6, Appl	C 367	19	95.0	177	2	US-08-256-568B-61	Sequence 61, Appl
C 295	20	100.0	923	3	US-08-869-380-1	Sequence 1, Appl	C 368	19	95.0	177	2	US-08-256-568B-62	Sequence 62, Appl
C 296	20	100.0	923	5	PCT-US95-13552-14	Sequence 14, Appl	C 369	19	95.0	177	2	US-08-256-568B-65	Sequence 65, Appl
C 297	20	100.0	1499	2	US-08-324-977-3	Sequence 3, Appl	C 370	19	95.0	177	2	US-08-256-568B-66	Sequence 66, Appl
C 298	20	100.0	1499	2	US-08-384-616-3	Sequence 3, Appl	C 371	19	95.0	177	2	US-08-256-568B-67	Sequence 67, Appl
C 299	20	100.0	1499	3	US-08-904-686A-3	Sequence 3, Appl	C 372	19	95.0	177	2	US-08-256-568B-68	Sequence 68, Appl
C 300	20	100.0	1499	3	US-09-315-850-3	Sequence 3, Appl	C 373	19	95.0	177	2	US-08-256-568B-69	Sequence 69, Appl
C 301	20	100.0	1863	2	US-08-470-426B-13	Sequence 13, Appl	C 374	19	95.0	177	2	US-08-256-568B-70	Sequence 70, Appl
C 302	20	100.0	1863	2	US-08-470-426B-14	Sequence 14, Appl	C 375	19	95.0	177	2	US-08-256-568B-72	Sequence 72, Appl
C 303	20	100.0	2116	3	US-08-191-160-21	Sequence 21, Appl	C 376	19	95.0	177	2	US-08-256-568B-73	Sequence 73, Appl
C 304	20	100.0	2327	4	US-10-066-130-20	Sequence 20, Appl	C 377	19	95.0	177	2	US-08-256-568B-74	Sequence 74, Appl
C 305	20	100.0	2674	4	US-10-066-130-19	Sequence 19, Appl	C 378	19	95.0	177	2	US-08-256-568B-76	Sequence 76, Appl
C 306	20	100.0	2771	4	US-10-066-130-18	Sequence 18, Appl	C 379	19	95.0	177	2	US-08-256-568B-77	Sequence 77, Appl
C 307	20	100.0	5860	4	US-10-066-130-17	Sequence 17, Appl	C 380	19	95.0	177	2	US-08-256-568B-78	Sequence 78, Appl
C 308	20	100.0	7989	4	US-09-539-601-10	Sequence 10, Appl	C 381	19	95.0	177	2	US-08-256-568B-79	Sequence 79, Appl
C 309	20	100.0	8001	4	US-09-539-601-7	Sequence 7, Appl	C 382	19	95.0	177	2	US-08-256-568B-80	Sequence 80, Appl
C 310	20	100.0	8001	4	US-09-539-601-16	Sequence 16, Appl	C 383	19	95.0	177	2	US-08-256-568B-80	Sequence 80, Appl
C 311	20	100.0	8001	4	US-09-539-601-22	Sequence 22, Appl	C 384	19	95.0	177	3	US-09-038-369B-57	Sequence 57, Appl
C 312	20	100.0	8001	4	US-09-539-601-28	Sequence 28, Appl	C 385	19	95.0	177	3	US-09-038-369B-58	Sequence 58, Appl
C 313	20	100.0	8637	4	US-09-539-601-4	Sequence 4, Appl	C 386	19	95.0	177	3	US-09-038-369B-61	Sequence 61, Appl
C 314	20	100.0	8638	4	US-10-029-907-6	Sequence 6, Appl	C 387	19	95.0	177	3	US-09-038-369B-62	Sequence 62, Appl
C 315	20	100.0	8638	4	US-10-029-907-7	Sequence 7, Appl	C 388	19	95.0	177	3	US-09-038-369B-65	Sequence 65, Appl
C 316	20	100.0	8638	4	US-10-029-907-24	Sequence 24, Appl	C 389	19	95.0	177	3	US-09-038-369B-66	Sequence 66, Appl
C 317	20	100.0	8639	4	US-10-029-907-25	Sequence 25, Appl	C 390	19	95.0	177	3	US-09-038-369B-67	Sequence 67, Appl
C 318	20	100.0	8639	4	US-10-029-907-1	Sequence 1, Appl	C 391	19	95.0	177	3	US-09-038-369B-68	Sequence 68, Appl
C 319	20	100.0	8642	4	US-10-029-907-2	Sequence 2, Appl	C 392	19	95.0	177	3	US-09-038-369B-69	Sequence 69, Appl

C 393	19	95.0	177	3	US-09-038-369B-70	Sequence 70, Appl	466	17	85.0	20	1	US-08-471-966A-1	Sequence 1, Appl
C 394	19	95.0	177	3	US-09-038-369B-72	Sequence 72, Appl	467	17	85.0	20	3	US-08-823-637A-122	Sequence 122, App
C 395	19	95.0	177	3	US-09-038-369B-73	Sequence 73, Appl	468	17	85.0	20	3	US-08-650-093C-107	Sequence 107, App
C 396	19	95.0	177	3	US-09-038-369B-74	Sequence 74, Appl	469	17	85.0	20	5	PCT-US96-08757A-1	Sequence 1, Appl
C 397	19	95.0	177	3	US-09-038-369B-75	Sequence 75, Appl	c 470	17	85.0	177	1	US-08-244-116B-18	Sequence 18, Appl
C 398	19	95.0	177	3	US-09-038-369B-76	Sequence 76, Appl	c 471	16	80.0	20	1	US-08-468-447-2	Sequence 2, Appl
C 399	19	95.0	177	3	US-09-038-369B-77	Sequence 77, Appl	472	16	80.0	20	1	US-08-469-851A-2	Sequence 2, Appl
C 400	19	95.0	177	3	US-09-038-369B-78	Sequence 78, Appl	473	16	80.0	20	1	US-08-467-577A-2	Sequence 2, Appl
C 401	19	95.0	177	3	US-09-038-369B-79	Sequence 79, Appl	474	16	80.0	20	1	US-08-468-569A-2	Sequence 2, Appl
C 402	19	95.0	177	3	US-09-038-369B-80	Sequence 80, Appl	475	16	80.0	20	1	US-08-466-692A-2	Sequence 2, Appl
C 403	19	95.0	177	4	US-09-378-900A-57	Sequence 57, Appl	476	16	80.0	20	1	US-08-471-966A-2	Sequence 2, Appl
C 404	19	95.0	177	4	US-09-378-900A-58	Sequence 58, Appl	477	16	80.0	20	3	US-08-397-220B-62	Sequence 62, Appl
C 405	19	95.0	177	4	US-09-378-900A-61	Sequence 61, Appl	478	16	80.0	20	3	US-08-823-637A-123	Sequence 123, App
C 406	19	95.0	177	4	US-09-378-900A-62	Sequence 62, Appl	479	16	80.0	20	3	US-08-650-093C-62	Sequence 62, Appl
C 407	19	95.0	177	4	US-09-378-900A-65	Sequence 65, Appl	480	16	80.0	20	4	US-09-519-859A-4	Sequence 4, Appl
C 408	19	95.0	177	4	US-09-378-900A-66	Sequence 66, Appl	481	16	80.0	20	4	US-09-546-596A-13	Sequence 13, Appl
C 409	19	95.0	177	4	US-09-378-900A-67	Sequence 67, Appl	482	16	80.0	20	4	US-08-117-363A-13	Sequence 13, Appl
C 410	19	95.0	177	4	US-09-378-900A-68	Sequence 68, Appl	483	16	80.0	20	5	PCT-US96-08757A-2	Sequence 2, Appl
C 411	19	95.0	177	4	US-09-378-900A-69	Sequence 69, Appl	484	16	80.0	26	1	US-08-240-547-17	Sequence 17, Appl
C 412	19	95.0	177	4	US-09-378-900A-70	Sequence 70, Appl	c 485	15	75.0	15	1	US-08-182-968A-11	Sequence 11, Appl
C 413	19	95.0	177	4	US-09-378-900A-72	Sequence 72, Appl	c 486	15	75.0	15	2	US-08-774-306A-11	Sequence 11, Appl
C 414	19	95.0	177	4	US-09-378-900A-73	Sequence 73, Appl	c 487	15	75.0	15	3	US-09-064-156A-11	Sequence 11, Appl
C 415	19	95.0	177	4	US-09-378-900A-74	Sequence 74, Appl	c 488	15	75.0	16	4	US-09-474-432B-14	Sequence 14, Appl
C 416	19	95.0	177	4	US-09-378-900A-75	Sequence 75, Appl	c 489	15	75.0	16	4	US-09-476-387-14	Sequence 14, Appl
C 417	19	95.0	177	4	US-09-378-900A-76	Sequence 76, Appl	c 490	15	75.0	28	3	US-08-474-700B-10	Sequence 10, Appl
C 418	19	95.0	177	4	US-09-378-900A-77	Sequence 77, Appl	c 491	15	75.0	28	5	PCT-US95-05812-10	Sequence 10, Appl
C 419	19	95.0	177	4	US-09-378-900A-78	Sequence 78, Appl	492	15	75.0	45	1	US-09-798-641-23	Sequence 23, Appl
C 420	19	95.0	177	4	US-09-378-900A-79	Sequence 79, Appl	493	15	75.0	45	2	US-08-690-495-23	Sequence 23, Appl
C 421	19	95.0	177	4	US-09-378-900A-80	Sequence 80, Appl	494	15	75.0	45	2	US-08-690-494-23	Sequence 23, Appl
C 422	19	95.0	177	4	US-09-899-044-57	Sequence 57, Appl	495	15	75.0	45	4	US-09-299-217-23	Sequence 23, Appl
C 423	19	95.0	177	4	US-09-899-044-58	Sequence 58, Appl	496	15	75.0	45	4	US-09-728-265-23	Sequence 23, Appl
C 424	19	95.0	177	4	US-09-899-044-61	Sequence 61, Appl	497	15	75.0	45	5	PCT-US95-07671-23	Sequence 23, Appl
C 425	19	95.0	177	4	US-09-899-044-62	Sequence 62, Appl	c 498	14	70.0	16	4	US-09-474-432B-15	Sequence 15, Appl
C 426	19	95.0	177	4	US-09-899-044-65	Sequence 65, Appl	c 499	14	70.0	16	4	US-09-476-387-15	Sequence 15, Appl
C 427	19	95.0	177	4	US-09-899-044-66	Sequence 66, Appl	500	14	70.0	18	4	US-09-576-537-1	Sequence 1, Appl
C 428	19	95.0	177	4	US-09-899-044-67	Sequence 67, Appl	501	14	70.0	20	1	US-08-157-235-7	Sequence 7, Appl
C 429	19	95.0	177	4	US-09-899-044-68	Sequence 68, Appl	c 502	14	70.0	20	1	US-08-157-235-18	Sequence 18, Appl
C 430	19	95.0	177	4	US-09-899-044-69	Sequence 69, Appl	503	14	70.0	20	3	US-08-397-220B-61	Sequence 61, Appl
C 431	19	95.0	177	4	US-09-899-044-70	Sequence 70, Appl	504	14	70.0	20	3	US-08-650-093C-61	Sequence 61, Appl
C 432	19	95.0	177	4	US-09-899-044-72	Sequence 72, Appl	505	14	70.0	23	1	US-08-356-287-28	Sequence 28, Appl
C 433	19	95.0	177	4	US-09-899-044-73	Sequence 73, Appl	506	14	70.0	23	5	PCT-US93-04863-28	Sequence 28, Appl
C 434	19	95.0	177	4	US-09-899-044-74	Sequence 74, Appl	c 507	14	70.0	33	1	US-08-356-287-26	Sequence 26, Appl
C 435	19	95.0	177	4	US-09-899-044-75	Sequence 75, Appl	c 508	14	70.0	33	5	PCT-US93-04863-26	Sequence 26, Appl
C 436	19	95.0	177	4	US-09-899-044-76	Sequence 76, Appl	509	14	70.0	53	1	US-08-429-181-48	Sequence 48, Appl
C 437	19	95.0	177	4	US-09-899-044-77	Sequence 77, Appl	510	14	70.0	53	1	US-08-164-388-48	Sequence 48, Appl
C 438	19	95.0	177	4	US-09-899-044-78	Sequence 78, Appl	c 511	14	70.0	57	5	US-08-356-287-36	Sequence 36, Appl
C 439	19	95.0	177	4	US-09-899-044-79	Sequence 79, Appl	c 512	14	70.0	57	5	PCT-US93-04863-36	Sequence 36, Appl
C 440	19	95.0	177	4	US-09-899-044-80	Sequence 80, Appl	c 513	14	70.0	64	1	US-08-429-181-30	Sequence 30, Appl
C 441	19	95.0	178	2	US-08-256-568B-59	Sequence 59, Appl	514	14	70.0	64	1	US-08-164-388-30	Sequence 30, Appl
C 442	19	95.0	178	2	US-08-256-568B-60	Sequence 60, Appl	c 515	14	70.0	180	3	US-08-441-971-50	Sequence 50, Appl
C 443	19	95.0	178	2	US-08-256-568B-71	Sequence 71, Appl	c 516	14	70.0	180	3	US-08-441-971-51	Sequence 51, Appl
C 444	19	95.0	178	2	US-08-256-568B-81	Sequence 81, Appl	c 517	14	70.0	180	3	US-08-221-653-50	Sequence 50, Appl
C 445	19	95.0	178	3	US-09-038-369B-59	Sequence 59, Appl	c 518	14	70.0	180	3	US-08-221-653-51	Sequence 51, Appl
C 446	19	95.0	178	3	US-09-038-369B-60	Sequence 60, Appl	c 519	14	70.0	180	3	US-08-442-144A-50	Sequence 50, Appl
C 447	19	95.0	178	3	US-09-038-369B-71	Sequence 71, Appl	c 520	14	70.0	180	3	US-08-442-144A-51	Sequence 51, Appl
C 448	19	95.0	178	3	US-09-038-369B-81	Sequence 81, Appl	c 521	14	70.0	180	3	US-08-441-970-50	Sequence 50, Appl
C 449	19	95.0	178	4	US-09-378-900A-59	Sequence 59, Appl	c 522	14	70.0	180	3	US-08-441-970-51	Sequence 51, Appl
C 450	19	95.0	178	4	US-09-378-900A-60	Sequence 60, Appl	c 523	14	70.0	920	3	US-09-710-279-1731	Sequence 1731, App
C 451	19	95.0	178	4	US-09-378-900A-71	Sequence 71, Appl	c 524	14	70.0	937	3	US-09-134-001C-202	Sequence 202, App
C 452	19	95.0	178	4	US-09-378-900A-81	Sequence 81, Appl	c 525	14	70.0	1482	4	US-09-252-991A-11453	Sequence 11453, A
C 453	19	95.0	178	4	US-09-899-044-59	Sequence 59, Appl	c 526	14	70.0	2352	3	US-09-051-239A-14	Sequence 14, Appl
C 454	19	95.0	178	4	US-09-899-044-60	Sequence 60, Appl	527	14	70.0	4069	4	US-10-151-668-14	Sequence 14, Appl
C 455	19	95.0	178	4	US-09-899-044-71	Sequence 71, Appl	c 528	14	70.0	15	1	US-08-710-279-3976	Sequence 12, Appl
C 456	19	95.0	178	4	US-09-899-044-81	Sequence 81, Appl	c 529	13	65.0	15	2	US-08-774-306A-12	Sequence 12, Appl
C 457	18	90.0	21	3	US-08-397-220B-16	Sequence 16, Appl	c 530	13	65.0	15	2	US-09-064-156A-12	Sequence 12, Appl
C 458	18	90.0	21	3	US-08-650-093C-16	Sequence 16, Appl	c 531	13	65.0	15	3	US-08-954-210-18	Sequence 18, Appl
C 459	18	90.0	21	3	US-08-823-895A-16	Sequence 16, Appl	c 532	13	65.0	16	3	US-09-431-419A-18	Sequence 18, Appl
C 460	17	85.0	20	1	US-09-292-563-9	Sequence 9, Appl	c 533	13	65.0	18	1	US-08-097-853-1	Sequence 1, Appl
C 461	17	85.0	20	1	US-08-468-447-1	Sequence 1, Appl	534	13	65.0	18	2	US-08-438-435-1	Sequence 1, Appl
C 462	17	85.0	20	1	US-08-469-851A-1	Sequence 1, Appl	535	13	65.0	18	4	US-08-467-597A-1	Sequence 4, Appl
C 463	17	85.0	20	1	US-08-467-597A-1	Sequence 1, Appl	536	13	65.0	19	3	US-09-311-260-75	Sequence 75, Appl
C 464	17	85.0	20	1	US-08-468-569A-1	Sequence 1, Appl	537	13	65.0	21	4	US-09-875-945-13	Sequence 13, Appl
C 465	17	85.0	20	1	US-08-466-692A-1	Sequence 1, Appl	538	13	65.0	21	4		

539	13	65.0	22	2	US-08-547-842-2	Sequence 2, Appli	612	12	60.0	45	5	PCT-US96-05997-40	Sequence 40, Appl
540	13	65.0	25	1	US-08-240-547-12	Sequence 12, Appl	C 613	12	60.0	240	4	US-09-313-294A-4103	Sequence 4103, Ap
541	13	65.0	25	1	US-08-240-547-15	Sequence 15, Appl	C 614	12	60.0	282	4	US-09-248-796A-12163	Sequence 12163, A
542	13	65.0	29	3	US-09-210-657-2	Sequence 2, Appli	C 615	12	60.0	329	4	US-09-602-787A-93	Sequence 93, Appl
543	13	65.0	29	3	US-09-210-657-3	Sequence 3, Appli	C 616	12	60.0	355	3	US-08-444-818-104	Sequence 104, App
544	13	65.0	416	4	US-09-270-767-3547	Sequence 3547, Ap	C 617	12	60.0	355	3	US-08-444-818-106	Sequence 3, Appli
545	13	65.0	416	4	US-09-270-767-18929	Sequence 18929, A	C 618	12	60.0	365	3	US-09-423-233-3	Sequence 2009, Ap
546	13	65.0	576	4	US-09-809-545A-61	Sequence 61, Appl	C 619	12	60.0	394	4	US-09-270-767-2009	Sequence 17291, A
547	13	65.0	601	4	US-09-949-016-66040	Sequence 66040, A	C 620	12	60.0	394	4	US-09-270-767-17291	Sequence 34855, A
548	13	65.0	601	4	US-09-949-016-78524	Sequence 78524, A	C 621	12	60.0	456	4	US-09-513-999C-34855	Sequence 3002, Ap
549	13	65.0	601	4	US-09-949-016-78525	Sequence 78525, A	C 622	12	60.0	473	4	US-09-513-999C-3002	Sequence 95, Appl
550	13	65.0	601	4	US-09-949-016-78526	Sequence 78526, A	C 623	12	60.0	513	3	US-08-817-441-95	Sequence 23021, A
551	13	65.0	601	4	US-09-949-016-78527	Sequence 78527, A	C 624	12	60.0	601	4	US-09-949-016-23021	Sequence 38100, A
552	13	65.0	601	4	US-09-949-016-179979	Sequence 179979, A	C 625	12	60.0	601	4	US-09-949-016-38100	Sequence 42593, A
553	13	65.0	601	4	US-09-949-016-179980	Sequence 179980, A	C 626	12	60.0	601	4	US-09-949-016-42593	Sequence 42625, A
554	13	65.0	786	4	US-09-489-039A-1447	Sequence 1447, Ap	C 627	12	60.0	601	4	US-09-949-016-42625	Sequence 42657, A
555	13	65.0	963	4	US-09-543-681A-2495	Sequence 2495, Ap	C 628	12	60.0	601	4	US-09-949-016-42657	Sequence 42689, A
556	13	65.0	1419	4	US-09-540-236-177	Sequence 177, App	C 629	12	60.0	601	4	US-09-949-016-42689	Sequence 42721, A
557	13	65.0	1599	3	US-09-256-465-1	Sequence 1, Appli	C 630	12	60.0	601	4	US-09-949-016-42721	Sequence 42753, A
558	13	65.0	1599	3	US-09-167-322-3	Sequence 3, Appli	C 631	12	60.0	601	4	US-09-949-016-42753	Sequence 53367, A
559	13	65.0	1599	4	US-09-023-655-1004	Sequence 1004, Ap	C 632	12	60.0	601	4	US-09-949-016-53367	Sequence 53168, A
560	13	65.0	1947	4	US-09-715-858-3	Sequence 3, Appli	C 633	12	60.0	601	4	US-09-949-016-53168	Sequence 68297, A
561	13	65.0	2448	3	US-08-487-596-13	Sequence 13, Appl	C 634	12	60.0	601	4	US-09-949-016-68297	Sequence 93547, A
562	13	65.0	2448	4	US-08-660-451A-13	Sequence 13, Appl	C 635	12	60.0	601	4	US-09-949-016-93547	Sequence 93579, A
563	13	65.0	2450	2	US-08-466-589-9	Sequence 9, Appli	C 636	12	60.0	601	4	US-09-949-016-93579	Sequence 93611, A
564	13	65.0	2450	2	US-08-700-636-9	Sequence 9, Appli	C 637	12	60.0	601	4	US-09-949-016-93611	Sequence 93643, A
565	13	65.0	2450	3	US-08-467-574-9	Sequence 9, Appli	C 638	12	60.0	601	4	US-09-949-016-93643	Sequence 93675, A
566	13	65.0	2450	3	US-09-217-345-9	Sequence 9, Appli	C 639	12	60.0	601	4	US-09-949-016-93675	Sequence 93707, A
567	13	65.0	2450	4	US-09-892-985-9	Sequence 9, Appli	C 640	12	60.0	601	4	US-09-949-016-93707	Sequence 120780, A
568	13	65.0	3571	4	US-09-799-451-411	Sequence 411, App	C 641	12	60.0	601	4	US-09-949-016-120780	Sequence 136292, A
569	13	65.0	3766	4	US-09-981-953A-1	Sequence 1, Appli	C 642	12	60.0	601	4	US-09-949-016-136292	Sequence 136292, A
570	13	65.0	4732	4	US-09-949-016-14962	Sequence 14962, A	C 643	12	60.0	601	4	US-09-949-016-136293	Sequence 137553, A
571	13	65.0	6359	4	US-09-475-252-1	Sequence 1, Appli	C 644	12	60.0	601	4	US-09-949-016-137553	Sequence 137554, A
572	13	65.0	9008	4	US-09-949-016-12576	Sequence 12576, A	C 645	12	60.0	601	4	US-09-949-016-137554	Sequence 140784, A
573	13	65.0	9009	4	US-09-949-016-14036	Sequence 14036, A	C 646	12	60.0	601	4	US-09-949-016-140784	Sequence 120780, A
574	13	65.0	10627	1	US-08-060-925A-12	Sequence 12, Appl	C 647	12	60.0	601	4	US-09-949-016-142881	Sequence 201028, A
575	13	65.0	12222	4	US-09-328-925-42	Sequence 42, Appl	C 648	12	60.0	601	4	US-09-949-016-201028	Sequence 203391, A
576	13	65.0	17590	4	US-09-762-311-1	Sequence 1, Appli	C 649	12	60.0	601	4	US-09-949-016-203391	Sequence 203392, A
577	13	65.0	37030	4	US-08-311-731A-25	Sequence 25, Appl	C 650	12	60.0	601	4	US-09-949-016-203392	Sequence 204222, A
578	13	65.0	58909	4	US-09-596-002-30	Sequence 30, Appl	C 651	12	60.0	601	4	US-09-328-352-755	Sequence 755, App
579	13	65.0	82178	4	US-09-949-016-13394	Sequence 13394, A	C 652	12	60.0	603	4	US-09-583-110-76	Sequence 76, Appl
580	13	65.0	85869	4	US-09-949-016-12017	Sequence 12017, A	C 653	12	60.0	675	4	US-09-573-080A-166	Sequence 166, App
581	13	65.0	85878	4	US-09-949-016-16321	Sequence 16321, A	C 654	12	60.0	728	4	US-09-107-433-36	Sequence 36, Appl
582	13	65.0	87562	4	US-09-949-016-13685	Sequence 13685, A	C 655	12	60.0	768	4	US-09-107-433-36	Sequence 13462, A
583	13	65.0	87870	4	US-09-949-016-14461	Sequence 14461, A	C 656	12	60.0	926	4	US-09-270-767-13462	Sequence 1, Appli
584	13	65.0	101356	4	US-09-949-016-12364	Sequence 12364, A	C 657	12	60.0	1078	4	US-09-522-689A-1	Sequence 3, Appli
585	13	65.0	101357	4	US-09-949-016-16924	Sequence 16924, A	C 658	12	60.0	1262	1	US-07-715-751B-3	Sequence 2, Appli
586	13	65.0	139552	4	US-09-949-016-15300	Sequence 15300, A	C 659	12	60.0	1325	1	US-08-343-682-2	Sequence 131, App
587	13	65.0	160018	4	US-09-949-016-12617	Sequence 12617, A	C 660	12	60.0	1325	4	US-09-566-921-131	Sequence 54, Appl
588	13	65.0	160018	4	US-09-949-016-15994	Sequence 15994, A	C 661	12	60.0	1586	4	US-09-244-805-54	Sequence 274, App
589	13	65.0	251672	4	US-09-949-016-17296	Sequence 17296, A	C 662	12	60.0	1632	4	US-09-614-221A-274	Sequence 5116, App
590	13	65.0	251682	4	US-09-949-016-11973	Sequence 11973, A	C 663	12	60.0	1641	4	US-09-489-039A-5118	Sequence 1, Appli
591	13	65.0	264358	4	US-09-949-016-15725	Sequence 15725, A	C 664	12	60.0	1740	3	US-08-796-488-1	Sequence 1, Appli
592	13	65.0	784019	4	US-09-949-016-14033	Sequence 14033, A	C 665	12	60.0	1740	3	US-09-243-934-1	Sequence 910, App
593	13	65.0	828152	4	US-09-949-016-12777	Sequence 12777, A	C 666	12	60.0	1755	4	US-09-107-532A-910	Sequence 9, Appli
594	12	60.0	15	1	US-08-182-968A-10	Sequence 10, Appl	C 667	12	60.0	1970	3	US-08-072-064-9	Sequence 3, Appli
595	12	60.0	15	2	US-08-774-306A-10	Sequence 10, Appl	C 668	12	60.0	1970	5	PCT-US92-08558-3	Sequence 2, Appli
596	12	60.0	15	3	US-09-064-156A-10	Sequence 10, Appl	C 669	12	60.0	2059	5	PCT-US92-08558-2	Sequence 2, Appli
597	12	60.0	20	3	US-08-397-220B-92	Sequence 92, Appl	C 670	12	60.0	2066	3	US-08-072-064-3	Sequence 5, Appli
598	12	60.0	20	3	US-08-650-093C-92	Sequence 92, Appl	C 671	12	60.0	2066	3	US-08-072-064-5	Sequence 7, Appli
599	12	60.0	25	4	US-09-396-1966-81134	Sequence 81134, A	C 672	12	60.0	2066	3	US-08-072-064-7	Sequence 6, Appli
600	12	60.0	25	4	US-09-396-1966-81135	Sequence 81135, A	C 673	12	60.0	2191	3	US-08-632-808A-6	Sequence 6, Appli
601	12	60.0	25	4	US-09-396-1966-81146	Sequence 81146, A	C 674	12	60.0	2192	1	US-08-273-538A-6	Sequence 2124, App
602	12	60.0	25	4	US-09-396-1966-81147	Sequence 81147, A	C 675	12	60.0	2192	4	US-09-949-016-2124	Sequence 372, App
603	12	60.0	25	4	US-09-396-1966-81148	Sequence 81148, A	C 676	12	60.0	2390	4	US-09-976-594-372	Sequence 517, App
604	12	60.0	45	3	US-08-931-220-23	Sequence 23, Appl	C 677	12	60.0	2735	4	US-09-799-451-517	Sequence 78, Appl
605	12	60.0	45	3	US-08-931-220-36	Sequence 36, Appl	C 678	12	60.0	3034	3	US-09-961-527-78	Sequence 9, Appli
606	12	60.0	45	3	US-08-931-220-40	Sequence 40, Appl	C 679	12	60.0	3636	3	US-07-862-021B-9	Sequence 9, Appli
607	12	60.0	45	5	PCT-US95-11723-23	Sequence 23, Appl	C 680	12	60.0	4029	1	US-08-313-288B-9	Sequence 9, Appli
608	12	60.0	45	5	PCT-US95-11723-36	Sequence 36, Appl	C 681	12	60.0	4029	1	US-08-313-288B-9	Sequence 6, Appli
609	12	60.0	45	5	PCT-US95-11723-36	Sequence 36, Appl	C 682	12	60.0	4029	1	US-09-132-769-6	Sequence 9, Appli
610	12	60.0	45	5	PCT-US96-05997-23	Sequence 23, Appl	C 683	12	60.0	4029	5	PCT-US93-03164-9	Sequence 85, Appli
611	12	60.0	45	5	PCT-US96-05997-36	Sequence 36, Appl	C 684	12	60.0	4115	3	US-09-302-620B-85	

685	12	60.0	4115	4	US-09-912-161-7	Sequence 7, Appli	c 758	12	60.0	254964	4	US-09-949-016-12583	Sequence 12583, A
c 686	12	60.0	4576	1	US-08-832-883-49	Sequence 49, Appli	c 759	12	60.0	254964	4	US-09-949-016-17392	Sequence 17392, A
c 687	12	60.0	4576	2	US-08-832-877-49	Sequence 49, Appli	c 760	12	60.0	265032	4	US-09-949-016-15779	Sequence 15779, A
c 688	12	60.0	4700	3	US-09-150-460B-9	Sequence 9, Appli	761	12	60.0	321022	4	US-09-949-016-11852	Sequence 11852, A
c 689	12	60.0	4898	4	US-09-636-499-17	Sequence 17, Appli	762	12	60.0	321022	4	US-09-949-016-14166	Sequence 14166, A
c 690	12	60.0	5438	3	US-08-456-200B-5	Sequence 5, Appli	763	12	60.0	340380	4	US-09-949-016-14179	Sequence 14179, A
c 691	12	60.0	5521	4	US-08-956-171E-408	Sequence 408, App	c 764	12	60.0	450395	4	US-09-949-016-15473	Sequence 15473, A
c 692	12	60.0	5521	4	US-08-781-986A-408	Sequence 408, App	765	12	60.0	462589	4	US-09-949-016-12900	Sequence 12900, A
c 693	12	60.0	10082	4	US-09-949-016-15569	Sequence 15569, A	766	12	60.0	476044	4	US-09-949-016-12412	Sequence 12412, A
c 694	12	60.0	11947	4	US-09-949-016-13414	Sequence 13414, A	767	12	60.0	536165	4	US-09-214-808-1	Sequence 1, Appli
c 695	12	60.0	12847	4	US-09-949-016-13866	Sequence 13866, A	c 768	12	60.0	1230025	4	US-09-198-452A-1	Sequence 1, Appli
c 696	12	60.0	13595	4	US-09-949-016-12529	Sequence 12529, A	c 769	12	60.0	1230230	4	US-09-438-185A-1	Sequence 1, Appli
c 697	12	60.0	13970	4	US-09-949-016-16690	Sequence 16690, A	c 770	12	60.0	4403765	3	US-09-103-840A-2	Sequence 2, Appli
c 698	12	60.0	20951	4	US-09-805-455-3	Sequence 3, Appli	c 771	12	60.0	4403765	3	US-09-103-840A-2	Sequence 2, Appli
c 699	12	60.0	22547	4	US-09-949-016-13679	Sequence 13679, A	c 772	12	60.0	4411529	3	US-09-103-840A-1	Sequence 1, Appli
c 700	12	60.0	23218	4	US-09-949-016-11987	Sequence 11987, A	c 773	12	60.0	4411529	3	US-09-103-840A-1	Sequence 1, Appli
c 701	12	60.0	23219	4	US-09-949-016-13396	Sequence 13396, A	c 774	11	55.0	11	3	US-09-034-205-17	Sequence 17, Appli
c 702	12	60.0	23319	4	US-09-949-016-14407	Sequence 14407, A	c 775	11	55.0	11	3	US-08-934-097A-17	Sequence 17, Appli
c 703	12	60.0	23417	4	US-09-902-540-1207	Sequence 1207, Ap	c 776	11	55.0	11	3	US-08-851-588-17	Sequence 17, Appli
c 704	12	60.0	24221	4	US-09-949-016-14964	Sequence 14964, A	c 777	11	55.0	11	3	US-09-677-218B-17	Sequence 17, Appli
c 705	12	60.0	24979	2	US-08-147-777-3	Sequence 3, Appli	c 778	11	55.0	11	3	US-09-677-192-17	Sequence 17, Appli
c 706	12	60.0	24979	5	PCT-US93-03985-3	Sequence 3, Appli	c 779	11	55.0	11	4	US-09-402-618B-17	Sequence 17, Appli
c 707	12	60.0	24979	3	US-09-949-016-14585	Sequence 14585, A	c 780	11	55.0	11	4	US-09-825-574-17	Sequence 17, Appli
c 708	12	60.0	26502	4	US-09-949-016-12305	Sequence 12305, A	c 781	11	55.0	11	4	US-09-676-768-17	Sequence 17, Appli
c 709	12	60.0	28030	4	US-09-949-016-12970	Sequence 12970, A	c 782	11	55.0	12	1	US-08-686-116A-36	Sequence 36, Appli
c 710	12	60.0	28030	4	US-09-949-016-16948	Sequence 16948, A	783	11	55.0	12	1	US-08-685-484-36	Sequence 36, Appli
c 711	12	60.0	32068	4	US-09-949-016-12970	Sequence 12970, A	784	11	55.0	12	1	US-08-847-108-36	Sequence 36, Appli
c 712	12	60.0	32068	4	US-09-949-016-12971	Sequence 12971, A	785	11	55.0	12	1	US-08-686-113A-45	Sequence 45, Appli
c 713	12	60.0	32068	4	US-09-949-016-12972	Sequence 12972, A	786	11	55.0	12	1	US-08-847-095A-36	Sequence 36, Appli
c 714	12	60.0	32068	4	US-09-949-016-12973	Sequence 12973, A	787	11	55.0	12	3	US-08-686-114B-45	Sequence 45, Appli
c 715	12	60.0	32068	4	US-09-949-016-12974	Sequence 12974, A	788	11	55.0	12	4	US-09-337-304-45	Sequence 36, Appli
c 716	12	60.0	32068	4	US-09-949-016-12975	Sequence 12975, A	789	11	55.0	12	4	US-09-230-088-36	Sequence 36, Appli
c 717	12	60.0	32068	4	US-09-949-016-14436	Sequence 14436, A	790	11	55.0	14	2	US-08-364-246-5	Sequence 5, Appli
c 718	12	60.0	32068	4	US-09-949-016-14437	Sequence 14437, A	c 791	11	55.0	19	3	US-09-256-703-7	Sequence 7, Appli
c 719	12	60.0	32068	4	US-09-949-016-14438	Sequence 14438, A	c 792	11	55.0	21	4	US-09-586-546-36	Sequence 36, Appli
c 720	12	60.0	32068	4	US-09-949-016-14439	Sequence 14439, A	c 793	11	55.0	24	1	US-08-097-930A-1	Sequence 1, Appli
c 721	12	60.0	32068	4	US-09-949-016-14440	Sequence 14440, A	794	11	55.0	25	4	US-09-396-196G-119614	Sequence 119614,
c 722	12	60.0	32068	4	US-09-949-016-14441	Sequence 14441, A	795	11	55.0	25	4	US-09-396-196G-119615	Sequence 119615,
c 723	12	60.0	33392	4	US-09-949-016-15172	Sequence 15172, A	796	11	55.0	25	4	US-09-396-196G-119626	Sequence 119626,
c 724	12	60.0	38371	4	US-09-949-016-12061	Sequence 12061, A	797	11	55.0	25	4	US-09-396-196G-123015	Sequence 123015,
c 725	12	60.0	38371	4	US-09-949-016-12488	Sequence 12488, A	798	11	55.0	25	4	US-09-396-196G-123016	Sequence 123016,
c 726	12	60.0	38371	4	US-09-949-016-15596	Sequence 15596, A	799	11	55.0	28	4	US-09-527-972-21	Sequence 21, Appli
c 727	12	60.0	38371	4	US-09-949-016-15597	Sequence 15597, A	c 800	11	55.0	30	1	US-07-918-318-8	Sequence 8, Appli
c 728	12	60.0	38675	4	US-08-311-731A-135	Sequence 135, App	c 801	11	55.0	33	1	US-08-495-743-65	Sequence 65, Appli
c 729	12	60.0	41171	4	US-08-311-731A-122	Sequence 122, App	c 802	11	55.0	33	1	US-08-495-739-65	Sequence 65, Appli
c 730	12	60.0	44676	4	US-09-949-016-17511	Sequence 17511, A	c 803	11	55.0	33	1	US-08-495-741-65	Sequence 65, Appli
c 731	12	60.0	45275	4	US-09-949-016-12533	Sequence 12533, A	c 804	11	55.0	33	3	US-08-062-023-65	Sequence 65, Appli
c 732	12	60.0	51049	4	US-09-949-016-15571	Sequence 15571, A	c 805	11	55.0	46	2	US-08-790-963-74	Sequence 74, Appli
c 733	12	60.0	55387	4	US-09-949-016-12993	Sequence 12993, A	806	11	55.0	46	2	US-08-790-963-98	Sequence 98, Appli
c 734	12	60.0	76962	4	US-09-949-016-17482	Sequence 17482, A	807	11	55.0	46	3	US-09-371-774-74	Sequence 74, Appli
c 735	12	60.0	77661	4	US-09-949-016-12770	Sequence 12770, A	c 808	11	55.0	46	3	US-08-171-389-533	Sequence 533, App
c 736	12	60.0	77663	4	US-09-949-016-13751	Sequence 13751, A	c 809	11	55.0	50	1	US-08-123-936-533	Sequence 533, App
c 737	12	60.0	83516	4	US-09-949-016-15378	Sequence 15378, A	c 810	11	55.0	50	2	US-08-475-228A-533	Sequence 533, App
c 738	12	60.0	93510	4	US-09-949-016-15095	Sequence 15095, A	c 811	11	55.0	50	2	US-08-482-080A-533	Sequence 533, App
c 739	12	60.0	96739	4	US-09-949-016-15606	Sequence 15606, A	c 812	11	55.0	50	3	US-09-354-947-533	Sequence 533, App
c 740	12	60.0	98302	4	US-09-949-016-16847	Sequence 16847, A	c 813	11	55.0	50	3	PCT-US93-12388-533	Sequence 533, App
c 741	12	60.0	107820	4	US-09-792-616-1	Sequence 1, Appli	c 814	11	55.0	50	5	PCT-US93-12388-533	Sequence 533, App
c 742	12	60.0	121049	4	US-09-949-016-17513	Sequence 17513, A	815	11	55.0	55	3	US-09-081-180-15	Sequence 15, Appli
c 743	12	60.0	128516	4	US-09-949-016-13501	Sequence 13501, A	c 816	11	55.0	55	3	US-09-040-786-15	Sequence 15, Appli
c 744	12	60.0	130298	4	US-09-949-016-16664	Sequence 16664, A	c 817	11	55.0	66	2	US-08-790-963-71	Sequence 71, Appli
c 745	12	60.0	133157	4	US-09-949-016-12841	Sequence 12841, A	c 818	11	55.0	66	2	US-08-790-963-95	Sequence 95, Appli
c 746	12	60.0	133358	4	US-09-949-016-16964	Sequence 16964, A	c 819	11	55.0	66	3	US-09-371-774-71	Sequence 71, Appli
c 747	12	60.0	133360	4	US-09-949-016-12651	Sequence 12651, A	c 820	11	55.0	67	3	US-09-371-774-95	Sequence 95, Appli
c 748	12	60.0	134890	4	US-09-949-016-15602	Sequence 15602, A	c 821	11	55.0	67	3	US-09-256-703-5	Sequence 5, Appli
c 749	12	60.0	139936	4	US-09-949-016-11782	Sequence 11782, A	822	11	55.0	70	1	US-08-434-001-114	Sequence 114, App
c 750	12	60.0	139952	4	US-09-949-016-13280	Sequence 13280, A	823	11	55.0	70	1	US-08-433-585-114	Sequence 114, App
c 751	12	60.0	145812	4	US-09-949-016-15698	Sequence 15698, A	824	11	55.0	70	2	US-08-434-425-114	Sequence 114, App
c 752	12	60.0	148567	4	US-09-801-876B-3	Sequence 3, Appli	825	11	55.0	70	2	US-08-437-667-114	Sequence 114, App
c 753	12	60.0	148567	4	US-10-254-869-3	Sequence 3, Appli	826	11	55.0	70	3	US-08-906-955-114	Sequence 114, App
c 754	12	60.0	148567	4	US-10-667-442-3	Sequence 3, Appli	827	11	55.0	70	3	US-08-945-909-114	Sequence 114, App
c 755	12	60.0	172677	4	US-09-949-016-13444	Sequence 13444, A	828	11	55.0	70	3	US-09-396-002A-114	Sequence 114, App
c 756	12	60.0	198632	4	US-09-949-016-12781	Sequence 12781, A	829	11	55.0	70	4	US-10-077-319-114	Sequence 114, App
c 757	12	60.0	198637	4	US-09-949-016-17393	Sequence 17393, A	830	11	55.0	70	5	PCT-US96-06060-114	Sequence 114, App

c 831	11	55.0	77	2	US-08-596-100-3	Sequence 3, Appli	c 904	11	55.0	601	4	US-09-949-016-18995	Sequence 18995, A
c 832	11	55.0	99	1	US-08-208-886C-75	Sequence 75, Appl	c 905	11	55.0	601	4	US-09-949-016-20863	Sequence 20863, A
c 833	11	55.0	99	1	US-08-208-886C-76	Sequence 76, Appl	c 906	11	55.0	601	4	US-09-949-016-22907	Sequence 22907, A
c 834	11	55.0	99	1	US-08-704-744-75	Sequence 75, Appl	c 907	11	55.0	601	4	US-09-949-016-22908	Sequence 22908, A
c 835	11	55.0	99	1	US-08-704-744-76	Sequence 76, Appl	c 908	11	55.0	601	4	US-09-949-016-27329	Sequence 27329, A
c 836	11	55.0	99	1	US-09-513-999C-30174	Sequence 30174, A	c 909	11	55.0	601	4	US-09-949-016-32761	Sequence 32761, A
c 837	11	55.0	182	4	US-09-513-999C-16307	Sequence 16307, A	c 910	11	55.0	601	4	US-09-949-016-32820	Sequence 32820, A
c 838	11	55.0	183	4	US-09-248-796A-7700	Sequence 7700, Ap	c 911	11	55.0	601	4	US-09-949-016-33561	Sequence 33561, A
c 839	11	55.0	188	4	US-09-513-999C-28098	Sequence 28098, A	c 912	11	55.0	601	4	US-09-949-016-33562	Sequence 33562, A
c 840	11	55.0	199	1	US-08-073-807A-6	Sequence 6, Appli	c 913	11	55.0	601	4	US-09-949-016-33563	Sequence 33563, A
c 841	11	55.0	201	4	US-09-248-796A-10180	Sequence 10180, A	c 914	11	55.0	601	4	US-09-949-016-34602	Sequence 34602, A
c 842	11	55.0	208	3	US-09-423-233-1	Sequence 1, Appli	c 915	11	55.0	601	4	US-09-949-016-34782	Sequence 34782, A
c 843	11	55.0	213	4	US-09-970-033-5	Sequence 5, Appli	c 916	11	55.0	601	4	US-09-949-016-34783	Sequence 34783, A
c 844	11	55.0	243	4	US-09-248-796A-10852	Sequence 10852, A	c 917	11	55.0	601	4	US-09-949-016-37755	Sequence 37755, A
c 845	11	55.0	257	4	US-09-513-999C-20944	Sequence 20944, A	c 918	11	55.0	601	4	US-09-949-016-46884	Sequence 46884, A
c 846	11	55.0	270	4	US-09-621-976-2606	Sequence 2606, Ap	c 919	11	55.0	601	4	US-09-949-016-46949	Sequence 46949, A
c 847	11	55.0	275	4	US-09-313-294A-3399	Sequence 3399, Ap	c 920	11	55.0	601	4	US-09-949-016-47072	Sequence 47072, A
c 848	11	55.0	297	4	US-09-313-294A-4337	Sequence 4337, Ap	c 921	11	55.0	601	4	US-09-949-016-47073	Sequence 47073, A
c 849	11	55.0	307	4	US-09-313-294A-6950	Sequence 6950, Ap	c 922	11	55.0	601	4	US-09-949-016-47074	Sequence 47074, A
c 850	11	55.0	321	4	US-09-513-999C-8486	Sequence 8486, Ap	c 923	11	55.0	601	4	US-09-949-016-47075	Sequence 47075, A
c 851	11	55.0	324	4	US-09-513-999C-34583	Sequence 34583, A	c 924	11	55.0	601	4	US-09-949-016-48727	Sequence 48727, A
c 852	11	55.0	333	4	US-09-248-796A-7950	Sequence 7950, Ap	c 925	11	55.0	601	4	US-09-949-016-48728	Sequence 48728, A
c 853	11	55.0	334	4	US-08-621-976-1499	Sequence 1499, Ap	c 926	11	55.0	601	4	US-09-949-016-50678	Sequence 50678, A
c 854	11	55.0	347	4	US-09-621-976-12537	Sequence 12537, A	c 927	11	55.0	601	4	US-09-949-016-50737	Sequence 50737, A
c 855	11	55.0	362	4	US-09-270-767-6686	Sequence 6686, Ap	c 928	11	55.0	601	4	US-09-949-016-56913	Sequence 56913, A
c 856	11	55.0	362	4	US-09-270-767-21968	Sequence 21968, A	c 929	11	55.0	601	4	US-09-949-016-56914	Sequence 56914, A
c 857	11	55.0	365	3	US-09-423-233-5	Sequence 5, Appli	c 930	11	55.0	601	4	US-09-949-016-66134	Sequence 66134, A
c 858	11	55.0	379	4	US-09-513-999C-21972	Sequence 21972, A	c 931	11	55.0	601	4	US-09-949-016-66135	Sequence 66135, A
c 859	11	55.0	386	1	US-08-503-584-6	Sequence 6, Appli	c 932	11	55.0	601	4	US-09-949-016-69825	Sequence 69825, A
c 860	11	55.0	398	4	US-09-513-999C-2003	Sequence 2003, Ap	c 933	11	55.0	601	4	US-09-949-016-71274	Sequence 71274, A
c 861	11	55.0	399	4	US-09-270-767-381	Sequence 381, App	c 934	11	55.0	601	4	US-09-949-016-71275	Sequence 71275, A
c 862	11	55.0	399	4	US-09-270-767-15663	Sequence 15663, A	c 935	11	55.0	601	4	US-09-949-016-71276	Sequence 71276, A
c 863	11	55.0	409	4	US-09-270-767-7580	Sequence 7580, Ap	c 936	11	55.0	601	4	US-09-949-016-78162	Sequence 78162, A
c 864	11	55.0	409	4	US-09-270-767-22862	Sequence 22862, A	c 937	11	55.0	601	4	US-09-949-016-78163	Sequence 78163, A
c 865	11	55.0	420	4	US-09-107-433-1435	Sequence 1435, Ap	c 938	11	55.0	601	4	US-09-949-016-84815	Sequence 84815, A
c 866	11	55.0	430	4	US-09-513-999C-11815	Sequence 11815, A	c 939	11	55.0	601	4	US-09-949-016-85925	Sequence 85925, A
c 867	11	55.0	435	1	US-08-208-886C-79	Sequence 79, Appl	c 940	11	55.0	601	4	US-09-949-016-86873	Sequence 86873, A
c 868	11	55.0	436	1	US-08-704-744-79	Sequence 79, Appl	c 941	11	55.0	601	4	US-09-949-016-86874	Sequence 86874, A
c 869	11	55.0	436	4	US-09-621-976-18322	Sequence 18322, A	c 942	11	55.0	601	4	US-09-949-016-91604	Sequence 91604, A
c 870	11	55.0	441	4	US-09-352-991A-16047	Sequence 16047, A	c 943	11	55.0	601	4	US-09-949-016-92456	Sequence 92456, A
c 871	11	55.0	448	4	US-09-270-767-11838	Sequence 11838, A	c 944	11	55.0	601	4	US-09-949-016-92927	Sequence 92927, A
c 872	11	55.0	463	4	US-09-621-976-1626	Sequence 1626, Ap	c 945	11	55.0	601	4	US-09-949-016-104004	Sequence 104004, A
c 873	11	55.0	477	4	US-09-970-033-7	Sequence 7, Appli	c 946	11	55.0	601	4	US-09-949-016-105127	Sequence 105127, A
c 874	11	55.0	477	4	US-09-970-033-12	Sequence 12, Appl	c 947	11	55.0	601	4	US-09-949-016-105128	Sequence 105128, A
c 875	11	55.0	486	4	US-09-621-976-2158	Sequence 2158, Ap	c 948	11	55.0	601	4	US-09-949-016-105670	Sequence 105670, A
c 876	11	55.0	492	4	US-09-344-000C-1085	Sequence 1085, Ap	c 949	11	55.0	601	4	US-09-949-016-105671	Sequence 105671, A
c 877	11	55.0	492	4	US-09-248-796A-1974	Sequence 1974, Ap	c 950	11	55.0	601	4	US-09-949-016-105672	Sequence 105672, A
c 878	11	55.0	495	4	US-09-220-132-186	Sequence 186, App	c 951	11	55.0	601	4	US-09-949-016-105673	Sequence 105673, A
c 879	11	55.0	499	4	US-09-513-999C-32068	Sequence 32068, A	c 952	11	55.0	601	4	US-09-949-016-107304	Sequence 107304, A
c 880	11	55.0	505	4	US-09-621-976-10413	Sequence 10413, A	c 953	11	55.0	601	4	US-09-949-016-107305	Sequence 107305, A
c 881	11	55.0	516	4	US-09-536-059-17	Sequence 17, Appl	c 954	11	55.0	601	4	US-09-949-016-107306	Sequence 107306, A
c 882	11	55.0	520	4	US-09-372-115A-10	Sequence 10, Appl	c 955	11	55.0	601	4	US-09-949-016-107307	Sequence 107307, A
c 883	11	55.0	526	3	US-09-228-986-45	Sequence 45, Appl	c 956	11	55.0	601	4	US-09-949-016-107308	Sequence 107308, A
c 884	11	55.0	526	4	US-10-101-464A-45	Sequence 45, Appl	c 957	11	55.0	601	4	US-09-949-016-107309	Sequence 107309, A
c 885	11	55.0	529	4	US-09-621-976-9844	Sequence 9844, Ap	c 958	11	55.0	601	4	US-09-949-016-107319	Sequence 107319, A
c 886	11	55.0	546	4	US-09-621-976-17916	Sequence 17916, A	c 959	11	55.0	601	4	US-09-949-016-110210	Sequence 110210, A
c 887	11	55.0	561	4	US-09-270-767-7207	Sequence 7207, Ap	c 960	11	55.0	601	4	US-09-949-016-117450	Sequence 117450, A
c 888	11	55.0	561	4	US-09-270-767-22489	Sequence 22489, A	c 961	11	55.0	601	4	US-09-949-016-121177	Sequence 121177, A
c 889	11	55.0	565	3	US-09-328-111-51	Sequence 51, Appl	c 962	11	55.0	601	4	US-09-949-016-122450	Sequence 122450, A
c 890	11	55.0	579	1	US-09-198-284-1	Sequence 1, Appli	c 963	11	55.0	601	4	US-09-949-016-122451	Sequence 122451, A
c 891	11	55.0	579	1	US-09-328-352-667	Sequence 3, Appli	c 964	11	55.0	601	4	US-09-949-016-122452	Sequence 122452, A
c 892	11	55.0	579	2	US-08-987-122-1	Sequence 1, Appli	c 965	11	55.0	601	4	US-09-949-016-126477	Sequence 126477, A
c 893	11	55.0	579	2	US-08-987-122-3	Sequence 3, Appli	c 966	11	55.0	601	4	US-09-949-016-127446	Sequence 127446, A
c 894	11	55.0	582	4	US-09-787-292-3	Sequence 3, Appli	c 967	11	55.0	601	4	US-09-949-016-127447	Sequence 127447, A
c 895	11	55.0	582	4	US-09-583-110-773	Sequence 773, App	c 968	11	55.0	601	4	US-09-949-016-131085	Sequence 131085, A
c 896	11	55.0	582	4	US-09-107-433-1816	Sequence 1816, Ap	c 969	11	55.0	601	4	US-09-949-016-131086	Sequence 131086, A
c 897	11	55.0	594	4	US-09-328-352-667	Sequence 667, App	c 970	11	55.0	601	4	US-09-949-016-131087	Sequence 131087, A
c 898	11	55.0	601	4	US-09-820-002-16	Sequence 16, Appl	c 971	11	55.0	601	4	US-09-949-016-131088	Sequence 131088, A
c 899	11	55.0	601	4	US-09-949-016-18937	Sequence 18937, A	c 972	11	55.0	601	4	US-09-949-016-131089	Sequence 131089, A
c 900	11	55.0	601	4	US-09-949-016-18938	Sequence 18938, A	c 973	11	55.0	601	4	US-09-949-016-137947	Sequence 137947, A
c 901	11	55.0	601	4	US-09-949-016-18992	Sequence 18992, A	c 974	11	55.0	601	4	US-09-949-016-138291	Sequence 138291, A
c 902	11	55.0	601	4	US-09-949-016-18993	Sequence 18993, A	c 975	11	55.0	601	4	US-09-949-016-139413	Sequence 139413, A
c 903	11	55.0	601	4	US-09-949-016-18994	Sequence 18994, A	c 976	11	55.0	601	4	US-09-949-016-142433	Sequence 142433, A

```

C 977      11      55.0      601      4      US-09-949-016-142848      Sequence 142848,
C 978      11      55.0      601      4      US-09-949-016-146893      Sequence 146893,
C 979      11      55.0      601      4      US-09-949-016-146894      Sequence 146894,
C 980      11      55.0      601      4      US-09-949-016-148707      Sequence 148707,
          881      11      55.0      601      4      US-09-949-016-150286      Sequence 150286,
          882      11      55.0      601      4      US-09-949-016-150287      Sequence 150287,
          883      11      55.0      601      4      US-09-949-016-151641      Sequence 151641,
          884      11      55.0      601      4      US-09-949-016-151642      Sequence 151642,
          885      11      55.0      601      4      US-09-949-016-152838      Sequence 152838,
          886      11      55.0      601      4      US-09-949-016-152882      Sequence 152882,
          887      11      55.0      601      4      US-09-949-016-152966      Sequence 152966,
          888      11      55.0      601      4      US-09-949-016-152974      Sequence 152974,
          889      11      55.0      601      4      US-09-949-016-159972      Sequence 159972,
          890      11      55.0      601      4      US-09-949-016-161602      Sequence 161602,
          891      11      55.0      601      4      US-09-949-016-165862      Sequence 165862,
          892      11      55.0      601      4      US-09-949-016-167050      Sequence 167050,
          893      11      55.0      601      4      US-09-949-016-167379      Sequence 167379,
          894      11      55.0      601      4      US-09-949-016-169379      Sequence 169379,
          895      11      55.0      601      4      US-09-949-016-169380      Sequence 169380,
          896      11      55.0      601      4      US-09-949-016-176033      Sequence 176033,
          897      11      55.0      601      4      US-09-949-016-176565      Sequence 176565,
          898      11      55.0      601      4      US-09-949-016-179675      Sequence 179675,
          899      11      55.0      601      4      US-09-949-016-179676      Sequence 179676,
          900      11      55.0      601      4      US-09-949-016-180761      Sequence 180761,
          901      11      55.0      601      4      US-09-949-016-180762      Sequence 180762,
          902      11      55.0      601      4      US-09-949-001-812         Sequence 812, App
```

ALIGNMENTS

```

RESULT 1
US-09-493-353-13
; Sequence 13, Application US/09493353
; Patent No. 6638714
; GENERAL INFORMATION:
; APPLICANT: Johnson & Johnson
; APPLICANT: Linnen, J.M.
; APPLICANT: Gorman, K.M.
; TITLE OF INVENTION: OLIGONUCLEOTIDE PRIMERS FOR EFFICIENT
; TITLE OF INVENTION: DETECTION OF HEPATITIS C VIRUS (HCV) AND METHODS OF USE
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: 2094/1E286-US1
; CURRENT APPLICATION NUMBER: US/09/493,353
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: 60/118,497
; PRIOR FILING DATE: 1999-02-03
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 13
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer
US-09-493-353-13
```

```

Query Match      100.0%; Score 20; DB 4; Length 25;
Best Local Similarity 100.0%; Pred. No. 0.003;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1      TTCGCGACCCCAACTACTC 20
      |||||
Db      2      TTCGCGACCCCAACTACTC 21
```

```

RESULT 2
US-08-648-272-21/c
; Sequence 21, Application US/08648272
; Patent No. 6107028
; GENERAL INFORMATION:
; APPLICANT: Kay, Mark A.
; APPLICANT: Lieber, Andre
; TITLE OF INVENTION: Ribozymes for Treating Hepatitis C
; NUMBER OF SEQUENCES: 24
```

```

; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell & Flores LLP
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: United States
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/648,272
; FILING DATE: 15-MAY-1996
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/534,220
; FILING DATE: 11-SEP-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/476,257
; FILING DATE: 07-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/357,508
; FILING DATE: 14-DEC-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-WR 2106
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 27 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-648-272-21
```

```

Query Match      100.0%; Score 20; DB 3; Length 27;
Best Local Similarity 100.0%; Pred. No. 0.003;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1      TTCGCGACCCCAACTACTC 20
      |||||
Db      24      TTCGCGACCCCAACTACTC 5
```

```

RESULT 3
US-09-494-332A-12
; Sequence 12, Application US/09494332A
; Patent No. 6623919
; GENERAL INFORMATION:
; APPLICANT: GORMAN, Kevin
; APPLICANT: PATTERSON, David
; APPLICANT: LINNEN, Jeffrey
; APPLICANT: SONG, Keming
; TITLE OF INVENTION: OLIGONUCLEOTIDE PRIMERS FOR EFFICIENT MULTIPLEX DETECTION OF HPA
; FILE REFERENCE: 2049/1E285-US1
; CURRENT APPLICATION NUMBER: US/09/494,332A
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/118,498
; PRIOR FILING DATE: 1999-02-03
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 12
; LENGTH: 27
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer
```


Query Match 100.0%; Score 20; DB 1; Length 33;
Best Local Similarity 100.0%; Pred. No. 0.003;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 10 TTTCGGACCCCAACTACTC 29

RESULT 7

US-08-470-124-60
; Sequence 60, Application US/08470124
; Patent No. 5849481
; GENERAL INFORMATION:
; APPLICANT: Urdea, Michael S.
; APPLICANT: Horn, Thomas
; APPLICANT: Chang, Chu-An
; APPLICANT: Warner, Brian
; APPLICANT: Fultz, Timothy J.
; TITLE OF INVENTION: LARGE COMB-TYPE BRANCHED
; TITLE OF INVENTION: POLYNUCLEOTIDES
; NUMBER OF SEQUENCES: 87
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Morrison & Foerster
; STREET: 545 Middlefield Road, Suite 200
; CITY: Menlo Park
; STATE: California
; COUNTRY: USA
; ZIP: 94025
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/470,124
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/813,588
; FILING DATE: 23 December 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Clottl, Thomas E.
; REGISTRATION NUMBER: 21,013
; REFERENCE/DOCKET NUMBER: 22300-20104.20
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-813-5600
; TELEFAX: 415-327-2951
; TELEX: 706141
; INFORMATION FOR SEQ ID NO: 60:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 33 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-470-124-60

Query Match 100.0%; Score 20; DB 2; Length 33;
Best Local Similarity 100.0%; Pred. No. 0.003;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 10 TTTCGGACCCCAACTACTC 29

RESULT 8

US-08-441-971-126
; Sequence 126, Application US/08441971
; Patent No. 6071693
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR

; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441,971
; FILING DATE: 16-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 126:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 33 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
US-08-441-971-126

Query Match 100.0%; Score 20; DB 3; Length 33;
Best Local Similarity 100.0%; Pred. No. 0.003;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 10 TTTCGGACCCCAACTACTC 29

RESULT 9

US-08-221-653-126
; Sequence 126, Application US/08221653
; Patent No. 6190864
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:

```

; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 126:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 33 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; US-08-221-653-126

Query Match 100.0%; Score 20; DB 3; Length 33;
Best Local Similarity 100.0%; Pred. No. 0.003;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 10 TTTCGGACCCCAACTACTC 29

RESULT 10
US-08-442-144A-126
; Sequence 126, Application US/08442144A
; Patent No. 6214583
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; APPLICANT: Eileen Beall
; APPLICANT: Bruce Irvine
; APPLICANT: Janice Kolberg
; APPLICANT: Michael S. Urdea
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 148
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: California
; COUNTRY: USA
; ZIP: 94608-2916
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 Inch
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows NT
; SOFTWARE: Microsoft Word 97
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/442,144A
; FILING DATE: MAY 16, 1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/221,653
; FILING DATE: APRIL 1, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Doreen Yatko Trujillo
; REGISTRATION NUMBER: 35,719
; REFERENCE/DOCKET NUMBER: CHIR-0121
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-568-3100
; TELEFAX: 215-568-3439
```

```

; TELEX:
; INFORMATION FOR SEQ ID NO: 126:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 33 Nucleotides
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; MOLECULE TYPE: DNA
; US-08-442-144A-126

Query Match 100.0%; Score 20; DB 3; Length 33;
Best Local Similarity 100.0%; Pred. No. 0.003;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 10 TTTCGGACCCCAACTACTC 29

RESULT 11
US-08-441-970-126
; Sequence 126, Application US/08441970
; Patent No. 6297370
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441,970
; FILING DATE: 16-MAY-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/881,528
; FILING DATE: 08-MAY-1992
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 126:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 33 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; US-08-441-970-126

Query Match 100.0%; Score 20; DB 3; Length 33;
Best Local Similarity 100.0%; Pred. No. 0.003;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 10 TTTCGGACCCCAACTACTC 29
```



```
RESULT 12
US-09-358-972-181/c
; Sequence 181, Application US/09358972
; Patent No. 6235480
; GENERAL INFORMATION:
; APPLICANT: Shultz, John W
; APPLICANT: Lewis, Martin K.
; APPLICANT: Lieppe, Donna
; APPLICANT: Mandrekar, Michelle
; APPLICANT: Kephart, Daniel
; APPLICANT: Rhodes, Richard B.
; APPLICANT: Andrews, Christine A.
; APPLICANT: Hartnett, James R.
; APPLICANT: Gu, Trent
; APPLICANT: Olson, Ryan J.
; APPLICANT: Wood, Keith W.
; APPLICANT: Welch, Roy
; TITLE OF INVENTION: Nucleic Acid Detection
; FILE REFERENCE: Pro-103 6868/75528
; CURRENT APPLICATION NUMBER: US/09/358,972
; CURRENT FILING DATE: 1999-07-22
; EARLIER APPLICATION NUMBER: 09/252,436
; EARLIER FILING DATE: 1999-02-18
; EARLIER APPLICATION NUMBER: 09/042,287
; EARLIER FILING DATE: 1998-03-13
; NUMBER OF SEQ ID NOS: 290
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 181
; LENGTH: 40
; TYPE: DNA
; ORGANISM: Hepatitis C virus
; FEATURE:
; OTHER INFORMATION: probe for Hepatitis C
US-09-358-972-181
Query Match 100.0%; Score 20; DB 3; Length 40;
Best Local Similarity 100.0%; Pred. No. 0.003;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
DB 29 TTTCGGACCCCAACTACTC 10

RESULT 13
US-09-406-147-43/c
; Sequence 43, Application US/09406147
; Patent No. 6270974
; GENERAL INFORMATION:
; APPLICANT: Shultz, John W
; APPLICANT: Lewis, Martin K
; APPLICANT: Lieppe, Donna
; APPLICANT: Mandrekar, Michelle
; APPLICANT: Kephart, Daniel
; APPLICANT: Rhodes, Richard B
; APPLICANT: Andrews, Christine A
; APPLICANT: Hartnett, James R
; APPLICANT: Gu, Trent
; APPLICANT: Wood, Keith V
; APPLICANT: Welch, Roy
; TITLE OF INVENTION: EXOGENOUS NUCLEIC ACID DETECTION
; FILE REFERENCE: EXOGENOUS NUCLEIC ACID DETECTION
; CURRENT APPLICATION NUMBER: US/09/406,147
; CURRENT FILING DATE: 1999-09-27
; EARLIER APPLICATION NUMBER: 09/252,436
; EARLIER FILING DATE: 1999-02-18
; EARLIER APPLICATION NUMBER: 09/042,287
; EARLIER FILING DATE: 1998-03-13
; NUMBER OF SEQ ID NOS: 92
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 43
; LENGTH: 40
; TYPE: DNA
; ORGANISM: Hepatitis C virus
; FEATURE:
; OTHER INFORMATION: probe for Hepatitis C
US-09-406-147-43
Query Match 100.0%; Score 20; DB 3; Length 40;
Best Local Similarity 100.0%; Pred. No. 0.003;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
DB 29 TTTCGGACCCCAACTACTC 10
```

```
; LENGTH: 40
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-09-406-147-43
Query Match 100.0%; Score 20; DB 3; Length 40;
Best Local Similarity 100.0%; Pred. No. 0.003;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
DB 29 TTTCGGACCCCAACTACTC 10

RESULT 14
US-09-790-417-181/c
; Sequence 181, Application US/09790417
; Patent No. 6730479
; GENERAL INFORMATION:
; APPLICANT: Shultz, John W
; APPLICANT: Lewis, Martin K.
; APPLICANT: Lieppe, Donna
; APPLICANT: Mandrekar, Michelle
; APPLICANT: Kephart, Daniel
; APPLICANT: Rhodes, Richard B.
; APPLICANT: Andrews, Christine A.
; APPLICANT: Hartnett, James R.
; APPLICANT: Gu, Trent
; APPLICANT: Olson, Ryan J.
; APPLICANT: Wood, Keith W.
; APPLICANT: Welch, Roy
; TITLE OF INVENTION: Nucleic Acid Detection
; FILE REFERENCE: Pro-103 6868/75528
; CURRENT APPLICATION NUMBER: US/09/790,417
; CURRENT FILING DATE: 2001-02-22
; PRIOR APPLICATION NUMBER: 09/358,972
; PRIOR FILING DATE: 1999-07-21
; PRIOR APPLICATION NUMBER: 09/042,287
; PRIOR FILING DATE: 1998-03-13
; NUMBER OF SEQ ID NOS: 290
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 181
; LENGTH: 40
; TYPE: DNA
; ORGANISM: Hepatitis C virus
; FEATURE:
; OTHER INFORMATION: probe for Hepatitis C
US-09-790-417-181
Query Match 100.0%; Score 20; DB 4; Length 40;
Best Local Similarity 100.0%; Pred. No. 0.003;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
DB 29 TTTCGGACCCCAACTACTC 10

RESULT 15
US-08-429-181-10
; Sequence 10, Application US/08429181
; Patent No. 5635352
; GENERAL INFORMATION:
; APPLICANT: URDEA, MICHAEL S.
; APPLICANT: FULTZ, TIMOTHY
; APPLICANT: WARNER, BRIAN D.
; APPLICANT: COLLINS, MARK
; TITLE OF INVENTION: SOLUTION PHASE NUCLEIC ACID SANDWICH
; ASSAYS HAVING REDUCED BACKGROUND NOISE
; NUMBER OF SEQUENCES: 61
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CHIRON CORPORATION - INTELLECTUAL PROPERTY
; ADDRESS: R440
```

STREET: 4560 HORTON STREET
CITY: EMERYVILLE
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 94608-2916
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30B
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/429,181
FILING DATE: 26-APR-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/164,388
FILING DATE: 08-DEC-1993
ATTORNEY/AGENT INFORMATION:
NAME: GOLDMAN, KENNETH M.
REGISTRATION NUMBER: 34,174
REFERENCE/DOCKET NUMBER: 0300.001
TELEPHONE: (510) 601-2719
TELEFAX: (510) 655-3542
TELEX: N/A
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 46 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-429-181-10

Query Match 100.0%; Score 20; DB 1; Length 46;
Best Local Similarity 100.0%; Pred. No. 0.003;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||
Db 10 TTTCGGACCCCAACTACTC 29

RESULT 16
US-08-164-388-10
Sequence 10, Application US/08164388
Patent No. 5681697
GENERAL INFORMATION:
APPLICANT: URDEA, MICHAEL S.
APPLICANT: FULTZ, TIMOTHY
APPLICANT: WARNER, BRIAN D.
APPLICANT: COLLINS, MARK
TITLE OF INVENTION: SOLUTION PHASE NUCLEIC ACID SANDWICH
TITLE OF INVENTION: ASSAYS HAVING REDUCED BACKGROUND NOISE
NUMBER OF SEQUENCES: 61
CORRESPONDENCE ADDRESS:
ADDRESSEE: CHIRON CORPORATION - INTELLECTUAL PROPERTY
ADDRESS: R440
STREET: 4560 HORTON STREET
CITY: EMERYVILLE
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 94608-2916
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30B
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/164,388
FILING DATE: 08-DEC-1993
CLASSIFICATION: 436
ATTORNEY/AGENT INFORMATION:

NAME: GOLDMAN, KENNETH M.
REGISTRATION NUMBER: 34,174
REFERENCE/DOCKET NUMBER: 0300.001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (510) 601-2719
TELEFAX: (510) 655-3542
TELEX: N/A
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 46 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-164-388-10

Query Match 100.0%; Score 20; DB 1; Length 46;
Best Local Similarity 100.0%; Pred. No. 0.003;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||
Db 10 TTTCGGACCCCAACTACTC 29

RESULT 17
US-09-798-641-31
Sequence 31, Application US/09798641
Patent No. RE38442
GENERAL INFORMATION:
APPLICANT: Zhang, David Y., Brandwein, Margaret
TITLE OF INVENTION: NUCLEIC ACID AMPLIFICATION METHOD:
HYBRIDIZATION SIGNAL AMPLIFICATION METHOD (HSAM)
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSEE: Brumbaugh, Graves, Donohue & Raymond
STREET: 30 Rockefeller Plaza
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10112-0228
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PASEQ Version #1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/798,641
FILING DATE: 02-Mar-2001
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/690,495
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: MacLeod, Janet M.
REGISTRATION NUMBER: 35,263
REFERENCE/DOCKET NUMBER: 29545-A-PCT/USA-A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-408-2597
TELEFAX: 212-765-2519
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 108 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: misc feature
LOCATION: 1..108
SEQUENCE DESCRIPTION: SEQ ID NO: 31:
US-09-798-641-31

```

; STREET: 30 Rockefeller Plaza
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10112-0228
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Fasteq Version #1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/690,494
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: MacLeod, Janet M.
; REGISTRATION NUMBER: 35,263
; REFERENCE/DOCKET NUMBER: 29545-A-PCT/USA-B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-408-2597
; TELEFAX: 212-765-2519
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 108 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1..108
; US-08-690-494-31

Query Match 100.0%; Score 20; DB 2; Length 108;
Best Local Similarity 100.0%; Pred No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACACTACTC 20
   |||||
Db 4 TTTCGGACCCCAACACTACTC 23

RESULT 20
US-09-299-217-31
; Sequence 31, Application US/09299217
; Patent No. 6569647
; GENERAL INFORMATION:
; APPLICANT: Zhang, David Y., Brandwein, Margaret
; TITLE OF INVENTION: NUCLEIC ACID AMPLIFICATION METHOD:
; HYBRIDIZATION SIGNAL AMPLIFICATION METHOD (HSAM)
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brumbaugh, Graves, Donohue & Raymond
; STREET: 30 Rockefeller Plaza
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10112-0228
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Fasteq Version #1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/299,217
; FILING DATE: 23-Apr-1999
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/690,494
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacLeod, Janet M.
; REGISTRATION NUMBER: 35,263

```

REFERENCE/DOCKET NUMBER: 29545-A-PCT/USA-B
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-408-2597
TELEFAX: 212-765-2519
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 108 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: misc feature
LOCATION: 1..108
SEQUENCE DESCRIPTION: SEQ ID NO: 31:
US-09-299-217-31

Query Match 100.0%; Score 20; DB 4; Length 108;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
Db 4 TTTCGGACCCCACTACTC 23

RESULT 21
US-09-728-265-31
Sequence 31, Application US/09728265
Patent No. 6593086
GENERAL INFORMATION:
APPLICANT: Zhang, David Y.
TITLE OF INVENTION: NUCLEIC ACID AMPLIFICATION METHOD:
TITLE OF INVENTION: RAMIFICATION-EXTENSION AMPLIFICATION METHOD (RAM)
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSEE: Stroock & Stroock & Lavan
STREET: 180 Maiden Lane
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10038
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PCDOS/MSDOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/728,265
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Pokotilow, Steven B
REGISTRATION NUMBER: 26,405
REFERENCE/DOCKET NUMBER: Old 29545APCT/USA-B // New 251305/0018
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212806-6663
TELEFAX: 2128066006
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 108 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: misc feature
LOCATION: 1..108
US-09-728-265-31

Query Match 100.0%; Score 20; DB 4; Length 108;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
Db 4 TTTCGGACCCCACTACTC 23

RESULT 22
PCT-US95-07671-31
Sequence 11, Application PC/TUS9507671
GENERAL INFORMATION:
APPLICANT: Zhang, David Y.
TITLE OF INVENTION: LIGATION-DEPENDENT AMPLIFICATION FOR THE
TITLE OF INVENTION: DETECTION OF INFECTIOUS PATHOGENS AND ABNORMAL GENES
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: Brumbaugh, Graves, Donohue & Raymond
STREET: 30 Rockefeller Plaza
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10112-0228
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/07671
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Seide, Rochelle K.
REGISTRATION NUMBER: 32,300
REFERENCE/DOCKET NUMBER: 29545-A-PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-408-2626
TELEFAX: 212-765-2519
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 108 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: misc feature
LOCATION: 1..108
PCT-US95-07671-31

Query Match 100.0%; Score 20; DB 5; Length 108;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
Db 4 TTTCGGACCCCACTACTC 23

RESULT 23
US-08-244-116B-12/c
Sequence 12, Application US/08244116B
Patent No. 5763159
GENERAL INFORMATION:
APPLICANT: Simmonds, Peter
APPLICANT: Chan, Shiu-Wan
APPLICANT: Yap, Peng L.
TITLE OF INVENTION: Hepatitis-C Virus Testing
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Bell, Seltzer, Park & Gibson, P.A.
STREET: 1211 East Morehead Street
CITY: Charlotte
STATE: No. 5763159th Carolina

COUNTRY: United States
ZIP: 28234
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/244,116B
FILING DATE: 15-JUL-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/GB92/02143
FILING DATE: 20-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Sibley, Kenneth D.
REGISTRATION NUMBER: 31,665
REFERENCE/DOCKET NUMBER: 1749-125
TELEPHONE: 704-377-1561
TELEFAX: 704-334-2014
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 194 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cdna
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Hepatitis-C virus
US-08-244-116B-12

Query Match 100.0%; Score 20; DB 1; Length 194;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
|||||
DB 189 TTTCGGACCCCACTACTC 170

RESULT 24
US-09-034-205-37/c
Sequence 37, Application US/09034205
Patent No. 6194149
GENERAL INFORMATION:
APPLICANT: Lyamichev, Victor I.
APPLICANT: Brow, Mary Ann D.
APPLICANT: Fors, Lance
APPLICANT: Neri, Bruce P.
TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
NUMBER OF SEQUENCES: 68
CORRESPONDENCE ADDRESS:
ADDRESS: MEDLEN & CARROLL, LLP
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/034,205
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: MacKnight, Kamrin T.

REGISTRATION NUMBER: 38,230
REFERENCE/DOCKET NUMBER: FORS-03268
TELEPHONE: (415) 705-8410
TELEFAX: (415) 397-8338
INFORMATION FOR SEQ ID NO: 37:
SEQUENCE CHARACTERISTICS:
LENGTH: 232 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "DNA"
US-09-034-205-37

Query Match 100.0%; Score 20; DB 3; Length 232;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
|||||
DB 199 TTTCGGACCCCACTACTC 180

RESULT 25
US-08-934-097A-37/c
Sequence 37, Application US/08934097A
Patent No. 6210880
GENERAL INFORMATION:
APPLICANT: Lyamichev, Victor I.
APPLICANT: Brow, Mary Ann D.
APPLICANT: Fors, Lance
APPLICANT: Neri, Bruce P.
TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
TITLE OF INVENTION: Structure Probing With Structure-Bridging
TITLE OF INVENTION: Oligonucleotides.
NUMBER OF SEQUENCES: 51
CORRESPONDENCE ADDRESS:
ADDRESS: MEDLEN & CARROLL, LLP
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/934,097A
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: MacKnight, Kamrin T.

REGISTRATION NUMBER: 38,230
REFERENCE/DOCKET NUMBER: FORS-02980
TELEPHONE: (415) 705-8410
TELEFAX: (415) 397-8338
INFORMATION FOR SEQ ID NO: 37:
SEQUENCE CHARACTERISTICS:
LENGTH: 232 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "DNA"
US-08-934-097A-37

Query Match 100.0%; Score 20; DB 3; Length 232;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGGACCCCAACTACTC 20
|||||
Db 199 TTGCGGACCCCAACTACTC 180

RESULT 26

US-08-851-588-37/c
; Sequence 37, Application US/08851588
; Patent No. 6214545
; GENERAL INFORMATION:
; APPLICANT: Dong, Pang
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Prudent, James R.
; APPLICANT: Dahlberg, James E.
; APPLICANT: Fors, Lance
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; TITLE OF INVENTION: Structure Probing
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,588
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02777
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; MOLECULE TYPE: other nucleic acid
; TOPOLOGY: linear
; DESCRIPTION: /desc = "DNA"

US-08-851-588-37

Query Match 100.0%; Score 20; DB 3; Length 232;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGGACCCCAACTACTC 20
|||||
Db 199 TTGCGGACCCCAACTACTC 180

RESULT 27

US-09-677-2188-37/c
; Sequence 37, Application US/096772188
; Patent No. 6355437
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.

TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
STRUCTURE-BRIDGING OLIGONUCLEOTIDES
NUMBER OF SEQUENCES: 68

; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/677,218B
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/034,205
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-03268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 37:
US-09-677-218B-37

Query Match 100.0%; Score 20; DB 3; Length 232;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGGACCCCAACTACTC 20
|||||
Db 199 TTGCGGACCCCAACTACTC 180

RESULT 28

US-09-677-192-37/c
; Sequence 37, Application US/09677192
; Patent No. 6358691
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING STRUCTURE-BRIDGING
; TITLE OF INVENTION: OLIGONUCLEOTIDES
; FILE REFERENCE: FORS-04708
; CURRENT APPLICATION NUMBER: US/09/677,192
; CURRENT FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 09/034,205
; PRIOR FILING DATE: 1998-03-03
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 37
; LENGTH: 232
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-09-677-192-37

Query Match 100.0%; Score 20; DB 3; Length 232;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
;
;
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Macknight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 37:
US-09-825-574-37
Query Match 100.0%; Score 20; DB 4; Length 232;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCGGGACCCCAACTACTC 20
Db 199 TTCGGGACCCCAACTACTC 180

RESULT 31
US-09-676-768-37/c
; Sequence 37, Application US/09676768
; Patent No. 6780585
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; Lyamichev, Victor I.
; Prudent, James R.
; Dahlberg, James E.
; Fors, Lance
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; Structure Probing
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/676,768
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,588
; FILING DATE: 05-May-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02777
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
;

;
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Macknight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 37:
US-09-825-574-37
Query Match 100.0%; Score 20; DB 4; Length 232;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCGGGACCCCAACTACTC 20
Db 199 TTCGGGACCCCAACTACTC 180

RESULT 30
US-09-825-574-37/c
; Sequence 37, Application US/09825574
; Patent No. 6709819
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; Brow, Mary Ann D.
; Fors, Lance
; Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; Structure Probing With Structure-Bridging
; Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/825,574
; FILING DATE: 03-Apr-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/934,097
```

```
;
;
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Macknight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 37:
US-09-825-574-37
Query Match 100.0%; Score 20; DB 4; Length 232;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCGGGACCCCAACTACTC 20
Db 199 TTCGGGACCCCAACTACTC 180

RESULT 31
US-09-676-768-37/c
; Sequence 37, Application US/09676768
; Patent No. 6780585
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; Lyamichev, Victor I.
; Prudent, James R.
; Dahlberg, James E.
; Fors, Lance
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; Structure Probing
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/676,768
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,588
; FILING DATE: 05-May-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02777
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
;

;
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Macknight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 37:
US-09-825-574-37
Query Match 100.0%; Score 20; DB 4; Length 232;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCGGGACCCCAACTACTC 20
Db 199 TTCGGGACCCCAACTACTC 180

RESULT 30
US-09-825-574-37/c
; Sequence 37, Application US/09825574
; Patent No. 6709819
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; Brow, Mary Ann D.
; Fors, Lance
; Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; Structure Probing With Structure-Bridging
; Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/825,574
; FILING DATE: 03-Apr-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/934,097
```


; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 37:
US-09-676-768-37

Query Match 100.0%; Score 20; DB 4; Length 232;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGGACCCCAACTACTC 20
Db 199 TTGCGGACCCCAACTACTC 180

RESULT 32

US-09-034-205-32/c
; Sequence 32, Application US/09034205
; Patent No. 6194149

; GENERAL INFORMATION:

; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance P.
; APPLICANT: Neri, Bruce P.

; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
; TITLE OF INVENTION: STRUCTURE-BRIDGING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 68

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA

; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

; OPERATING SYSTEM: IBM PC compatible

; SOFTWARE: Patent In Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/034,205

; FILING DATE:

; CLASSIFICATION:

; ATTORNEY/AGENT INFORMATION:

; NAME: MacKnight, Kamrin T.

; REGISTRATION NUMBER: 38,230

; REFERENCE/DOCKET NUMBER: FORS-03268

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (415) 705-8410

; TELEFAX: (415) 397-8338

; INFORMATION FOR SEQ ID NO: 32:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 239 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

; MOLECULE TYPE: other nucleic acid

; DESCRIPTION: /desc = "DNA"

US-09-034-205-32

Query Match 100.0%; Score 20; DB 3; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGGACCCCAACTACTC 20
Db 206 TTGCGGACCCCAACTACTC 187

RESULT 33

US-09-034-205-36/c
; Sequence 36, Application US/09034205
; Patent No. 6194149
; GENERAL INFORMATION:

; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
; TITLE OF INVENTION: STRUCTURE-BRIDGING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:

; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA

; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

; OPERATING SYSTEM: IBM PC compatible

; SOFTWARE: Patent In Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/034,205

; FILING DATE:

; CLASSIFICATION:

; ATTORNEY/AGENT INFORMATION:

; NAME: MacKnight, Kamrin T.

; REGISTRATION NUMBER: 38,230

; REFERENCE/DOCKET NUMBER: FORS-03268

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (415) 705-8410

; TELEFAX: (415) 397-8338

; INFORMATION FOR SEQ ID NO: 36:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 239 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

; MOLECULE TYPE: other nucleic acid

; DESCRIPTION: /desc = "DNA"

US-09-034-205-36

Query Match 100.0%; Score 20; DB 3; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGGACCCCAACTACTC 20
Db 206 TTGCGGACCCCAACTACTC 187

RESULT 34

US-08-934-097A-32/c
; Sequence 32, Application US/08934097A
; Patent No. 6210880

; GENERAL INFORMATION:

; APPLICANT: Lyamichev, Victor I.

; APPLICANT: Brow, Mary Ann D.

; APPLICANT: Fors, Lance

; APPLICANT: Neri, Bruce P.

; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid

; TITLE OF INVENTION: Structure Probing With Structure-Bridging

; TITLE OF INVENTION: Oligonucleotides.

; NUMBER OF SEQUENCES: 51

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: MEDLEN & CARROLL, LLP

; STREET: 220 Montgomery Street, Suite 2200

; CITY: San Francisco

; STATE: CA

; COUNTRY: USA

; ZIP: 94104

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

```
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/934,097A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Macknight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 239 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-08-934-097A-32
```

```
Query Match 100.0%; Score 20; DB 3; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 TTTCGGACCCCAACACTACTC 20
Db 206 TTTCGGACCCCAACACTACTC 187
```

```
RESULT 35
US-08-934-097A-36/c
; Sequence 36, Application US/08934097A
; Patent No. 6210880
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; TITLE OF INVENTION: Structure Probing With Structure-Bridging
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/934,097A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Macknight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 239 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
```

```
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-08-934-097A-36
```

```
Query Match 100.0%; Score 20; DB 3; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 TTTCGGACCCCAACACTACTC 20
Db 206 TTTCGGACCCCAACACTACTC 187
```

```
RESULT 36
US-08-851-588-32/c
; Sequence 32, Application US/08851588
; Patent No. 6214545
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Prudent, James R.
; APPLICANT: Dahlberg, James E.
; APPLICANT: Fors, Lance
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; TITLE OF INVENTION: Structure Probing
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,588
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02777
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 239 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-08-851-588-32
```

```
Query Match 100.0%; Score 20; DB 3; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 TTTCGGACCCCAACACTACTC 20
Db 206 TTTCGGACCCCAACACTACTC 187
```

```
RESULT 37
US-08-851-588-36/c
; Sequence 36, Application US/08851588
; Patent No. 6214545
; GENERAL INFORMATION:
```

```
/
/ APPLICANT: Dong, Fang
/ APPLICANT: Lyamichev, Victor I.
/ APPLICANT: Prudent, James R.
/ APPLICANT: Dahlberg, James E.
/ APPLICANT: Fors, Lance
/ TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
/ TITLE OF INVENTION: Structure Probing
/ NUMBER OF SEQUENCES: 38
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: MEDLEN & CARROLL, LLP
/ STREET: 220 Montgomery Street, Suite 2200
/ CITY: San Francisco
/ STATE: CA
/ COUNTRY: USA
/ ZIP: 94104
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/851,588
/ FILING DATE:
/ CLASSIFICATION: 435
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Ingolia, Diane E.
/ REGISTRATION NUMBER: 40,027
/ REFERENCE/DOCKET NUMBER: FORS-02777
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 705-8410
/ TELEFAX: (415) 397-8338
/ INFORMATION FOR SEQ ID NO: 36:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 239 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ MOLECULE TYPE: other nucleic acid
/ DESCRIPTION: /desc = "DNA"
/
US-08-851-588-36

Query Match 100.0%; Score 20; DB 3; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGACCCCACTACTC 20
|||
Db 206 TTGCGACCCCACTACTC 187

RESULT 38
US-09-677-2188-32/c
; Sequence 32, Application US/09677218B
; Patent No. 6355437
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; Fors, Lance
; Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
; STRUCTURE-BRIDGING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/677,218B
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/034,205
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-03268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
```

```
/
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/677,218B
/ FILING DATE: 02-Oct-2000
/ CLASSIFICATION: <Unknown>
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 09/034,205
/ FILING DATE: <Unknown>
/ ATTORNEY/AGENT INFORMATION:
/ NAME: MacKnight, Kamrin T.
/ REGISTRATION NUMBER: 38,230
/ REFERENCE/DOCKET NUMBER: FORS-03268
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 705-8410
/ TELEFAX: (415) 397-8338
/ INFORMATION FOR SEQ ID NO: 32:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 239 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ MOLECULE TYPE: other nucleic acid
/ DESCRIPTION: /desc = "DNA"
/
US-09-677-2188-32

Query Match 100.0%; Score 20; DB 3; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGACCCCACTACTC 20
|||
Db 206 TTGCGACCCCACTACTC 187

RESULT 39
US-09-677-2188-36/c
; Sequence 36, Application US/09677218B
; Patent No. 6355437
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; Brow, Mary Ann D.
; Fors, Lance
; Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
; STRUCTURE-BRIDGING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/677,218B
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/034,205
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-03268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
```

```
;
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 239 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: double
;   TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 36:
US-09-677-218B-36

Query Match          100.0%; Score 20; DB 3; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 206 TTTCGGACCCCAACTACTC 187

RESULT 40
US-09-677-192-32/c
; Sequence 32, Application US/09677192
; Patent No. 6358691
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING STRUCTURE-BRIDGING
; FILE REFERENCE: FORS-04708
; CURRENT APPLICATION NUMBER: US/09/677,192
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 09/034,205
; PRIOR FILING DATE: 1998-03-03
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 32
; LENGTH: 239
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-09-677-192-32

Query Match          100.0%; Score 20; DB 3; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 206 TTTCGGACCCCAACTACTC 187

RESULT 41
US-09-677-192-36/c
; Sequence 36, Application US/09677192
; Patent No. 6358691
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING STRUCTURE-BRIDGING
; FILE REFERENCE: FORS-04708
; CURRENT APPLICATION NUMBER: US/09/677,192
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 09/034,205
; PRIOR FILING DATE: 1998-03-03
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 36
; LENGTH: 239
; TYPE: DNA
```

```
;
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-09-677-192-36

Query Match          100.0%; Score 20; DB 3; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 206 TTTCGGACCCCAACTACTC 187

RESULT 42
US-09-402-618B-32/c
; Sequence 32, Application US/09402618B
; Patent No. 6709815
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/09/402,618B
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 32
; LENGTH: 239
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-09-402-618B-32

Query Match          100.0%; Score 20; DB 4; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 206 TTTCGGACCCCAACTACTC 187

RESULT 43
US-09-402-618B-36/c
; Sequence 36, Application US/09402618B
; Patent No. 6709815
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/09/402,618B
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 36
; LENGTH: 239
; TYPE: DNA
```

```
; ORGANISM: Hepatitis C virus
US-09-402-618B-36

Query Match      100.0%; Score 20; DB 4; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
   |||||
Db 206 TTTCGGACCCCAACTACTC 187

RESULT 44
US-09-825-574-32/c
; Sequence 32, Application US/09825574
; Patent No. 6709819
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
;           Brow, Mary Ann D.
;           Fors, Lance
;           Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
;                   Structure Probing With Structure-Bridging
;                   Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/825,574
; FILING DATE: 03-Apr-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/934,097
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 239 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 32:
US-09-825-574-32

Query Match      100.0%; Score 20; DB 4; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
   |||||
Db 206 TTTCGGACCCCAACTACTC 187

RESULT 45
US-09-825-574-36/c
```

```
; Sequence 36, Application US/09825574
; Patent No. 6709819
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
;           Brow, Mary Ann D.
;           Fors, Lance
;           Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
;                   Structure Probing With Structure-Bridging
;                   Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/825,574
; FILING DATE: 03-Apr-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/934,097
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 239 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 36:
US-09-825-574-36

Query Match      100.0%; Score 20; DB 4; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
   |||||
Db 206 TTTCGGACCCCAACTACTC 187

RESULT 46
US-09-676-768-32/c
; Sequence 32, Application US/09676768
; Patent No. 6780585
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
;           Lyamichev, Victor I.
;           Prudent, James R.
;           Dahlberg, James E.
;           Fors, Lance
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
;                   Structure Probing
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
```

```
;
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/676,768
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: 435
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,588
; FILING DATE: 05-May-1997
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REFERENCE/DOCKET NUMBER: FORS-02777
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
;
; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 239 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 32:
US-09-676-768-32

Query Match 100.0%; Score 20; DB 4; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTCTC 20
Db 206 TTTCGGACCCCAACTACTCTC 187

RESULT 47
US-09-676-768-36/c
; Sequence 36, Application US/09676768
; Patent No. 6780585
;
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Prudent, James R.
; APPLICANT: Dahlberg, James E.
; APPLICANT: Fors, Lance
;
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; STRUCTURE PROBING
;
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/676,768
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: 435
;
; PRIOR APPLICATION DATA:
```

```
;
; APPLICATION NUMBER: US/08/851,588
; FILING DATE: 05-May-1997
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REFERENCE/DOCKET NUMBER: FORS-02777
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
;
; TELECOMMUNICATION INFORMATION:
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 239 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 36:
US-09-676-768-36

Query Match 100.0%; Score 20; DB 4; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTCTC 20
Db 206 TTTCGGACCCCAACTACTCTC 187

RESULT 48
US-09-034-205-33/c
; Sequence 33, Application US/09034205
; Patent No. 6194149
;
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance P.
; APPLICANT: Neri, Bruce P.
;
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
; STRUCTURE-BRIDGING OLIGONUCLEOTIDES
;
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/034,205
; FILING DATE:
; CLASSIFICATION:
;
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REFERENCE/DOCKET NUMBER: FORS-03268
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
;
; INFORMATION FOR SEQ ID NO: 33:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 240 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
;
; US-09-034-205-33
```

Query Match 100.0%; Score 20; DB 3; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||
DB 207 TTTCGGACCCCAACTACTC 188

RESULT 49

US-09-034-205-35/c
; Sequence 35, Application US/09034205
; Patent No. 6194149
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
; STRUCTURE-BRIDGING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/034,205
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: MacKnight, Kamrin T.
REGISTRATION NUMBER: 38,230
REFERENCE/DOCKET NUMBER: FORS-03268
TELEPHONE: (415) 705-8410
TELEFAX: (415) 397-8338
INFORMATION FOR SEQ ID NO: 35:
SEQUENCE CHARACTERISTICS:
LENGTH: 240 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "DNA"

US-09-034-205-35
Query Match 100.0%; Score 20; DB 3; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||
DB 207 TTTCGGACCCCAACTACTC 188

RESULT 50

US-09-034-205-38/c
; Sequence 38, Application US/09034205
; Patent No. 6194149
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.

; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
; STRUCTURE-BRIDGING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/034,205
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: MacKnight, Kamrin T.
REGISTRATION NUMBER: 38,230
REFERENCE/DOCKET NUMBER: FORS-03268
TELEPHONE: (415) 705-8410
TELEFAX: (415) 397-8338
INFORMATION FOR SEQ ID NO: 38:
SEQUENCE CHARACTERISTICS:
LENGTH: 240 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "DNA"

US-09-034-205-38

Query Match 100.0%; Score 20; DB 3; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||
DB 208 TTTCGGACCCCAACTACTC 189

RESULT 51

US-08-934-097A-33/c
; Sequence 33, Application US/08934097A
; Patent No. 6210880
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.

; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; Structure Probing With Structure-Bridging
; Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/934,097A
FILING DATE:

COMPUTER READABLE FORM:

US-08-934-097A-33/c
; Sequence 33, Application US/08934097A
; Patent No. 6210880
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; Structure Probing With Structure-Bridging
; Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/934,097A
FILING DATE:


```
/ CLASSIFICATION: 435
/ ATTORNEY/AGENT INFORMATION:
/ NAME: MacKnight, Kamrin T.
/ REGISTRATION NUMBER: 38,230
/ REFERENCE/DOCKET NUMBER: FORS-02980
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 705-8410
/ TELEFAX: (415) 397-8338
/ INFORMATION FOR SEQ ID NO: 33:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 240 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ MOLECULE TYPE: other nucleic acid
/ DESCRIPTION: /desc = "DNA"
US-08-934-097A-33

Query Match 100.0%; Score 20; DB 3; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCCGGACCCCACTACTC 20
Db 207 TTCCGGACCCCACTACTC 188

RESULT 52
US-08-934-097A-35/c
; Sequence 35, Application US/08934097A
; Patent No. 6210880
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; TITLE OF INVENTION: Structure Probing With Structure-Bridging
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/934,097A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 35:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 240 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-08-934-097A-35
```

```
Query Match 100.0%; Score 20; DB 3; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCCGGACCCCACTACTC 20
Db 207 TTCCGGACCCCACTACTC 188

RESULT 53
US-08-934-097A-38/c
; Sequence 38, Application US/08934097A
; Patent No. 6210880
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; TITLE OF INVENTION: Structure Probing With Structure-Bridging
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/934,097A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 240 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-08-934-097A-38

Query Match 100.0%; Score 20; DB 3; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCCGGACCCCACTACTC 20
Db 208 TTCCGGACCCCACTACTC 189

RESULT 54
US-08-851-588-33/c
; Sequence 33, Application US/08851588
; Patent No. 6214545
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Prudent, James R.
; APPLICANT: Dahlberg, James E.
```

```
/
/ APPLICANT: Fors, Lance
/ TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
/ TITLE OF INVENTION: Structure Probing
/ NUMBER OF SEQUENCES: 38
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: MEDLEN & CARROLL, LLP
/ STREET: 220 Montgomery Street, Suite 2200
/ CITY: San Francisco
/ STATE: CA
/ COUNTRY: USA
/ ZIP: 94104
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/851,588
/ FILING DATE:
/ CLASSIFICATION: 435
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Ingolia, Diane E.
/ REGISTRATION NUMBER: 40,027
/ REFERENCE/DOCKET NUMBER: FORS-02777
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 705-8410
/ TELEFAX: (415) 397-8338
/ INFORMATION FOR SEQ ID NO: 33:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 240 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ MOLECULE TYPE: other nucleic acid
/ DESCRIPTION: /desc = "DNA"
/
/ US-08-851-588-33
/
/ Query Match 100.0%; Score 20; DB 3; Length 240;
/ Best Local Similarity 100.0%; Pred. No. 0.0029;
/ Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
/
/ QY 1 TTTCGGACCCCACTACTC 20
/ Db 207 TTTCGGACCCCACTACTC 188
/
/ RESULT 55
/ US-08-851-588-35/c
/ Sequence 35, Application US/08851588
/ Patent No. 6214545
/ GENERAL INFORMATION:
/ APPLICANT: Dong, Fang
/ APPLICANT: Lyamichev, Victor I.
/ APPLICANT: Prudent, James R.
/ APPLICANT: Dahlberg, James E.
/ APPLICANT: Fors, Lance
/ TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
/ TITLE OF INVENTION: Structure Probing
/ NUMBER OF SEQUENCES: 38
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: MEDLEN & CARROLL, LLP
/ STREET: 220 Montgomery Street, Suite 2200
/ CITY: San Francisco
/ STATE: CA
/ COUNTRY: USA
/ ZIP: 94104
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/851,588
/ FILING DATE:
/ CLASSIFICATION: 435
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Ingolia, Diane E.
/ REGISTRATION NUMBER: 40,027
/ REFERENCE/DOCKET NUMBER: FORS-02777
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 705-8410
/ TELEFAX: (415) 397-8338
/ INFORMATION FOR SEQ ID NO: 38:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 240 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ MOLECULE TYPE: other nucleic acid
/ DESCRIPTION: /desc = "DNA"
/
/ US-08-851-588-38
```

```
/
/ FILING DATE:
/ CLASSIFICATION: 435
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Ingolia, Diane E.
/ REGISTRATION NUMBER: 40,027
/ REFERENCE/DOCKET NUMBER: FORS-02777
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 705-8410
/ TELEFAX: (415) 397-8338
/ INFORMATION FOR SEQ ID NO: 35:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 240 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ MOLECULE TYPE: other nucleic acid
/ DESCRIPTION: /desc = "DNA"
/
/ US-08-851-588-35
/
/ Query Match 100.0%; Score 20; DB 3; Length 240;
/ Best Local Similarity 100.0%; Pred. No. 0.0029;
/ Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
/
/ QY 1 TTTCGGACCCCACTACTC 20
/ Db 207 TTTCGGACCCCACTACTC 188
/
/ RESULT 56
/ US-08-851-588-38/c
/ Sequence 38, Application US/08851588
/ Patent No. 6214545
/ GENERAL INFORMATION:
/ APPLICANT: Dong, Fang
/ APPLICANT: Lyamichev, Victor I.
/ APPLICANT: Prudent, James R.
/ APPLICANT: Dahlberg, James E.
/ APPLICANT: Fors, Lance
/ TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
/ TITLE OF INVENTION: Structure Probing
/ NUMBER OF SEQUENCES: 38
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: MEDLEN & CARROLL, LLP
/ STREET: 220 Montgomery Street, Suite 2200
/ CITY: San Francisco
/ STATE: CA
/ COUNTRY: USA
/ ZIP: 94104
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/851,588
/ FILING DATE:
/ CLASSIFICATION: 435
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Ingolia, Diane E.
/ REGISTRATION NUMBER: 40,027
/ REFERENCE/DOCKET NUMBER: FORS-02777
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 705-8410
/ TELEFAX: (415) 397-8338
/ INFORMATION FOR SEQ ID NO: 38:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 240 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ MOLECULE TYPE: other nucleic acid
/ DESCRIPTION: /desc = "DNA"
/
/ US-08-851-588-38
```

Query Match 100.0%; Score 20; DB 3; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
Db 208 TTTCGGACCCCACTACTC 188

RESULT 57
US-09-677-218B-33/c
; Sequence 33, Application US/09677218B
; Patent No. 6355437
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; Fors, Lance P.
; Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
; STRUCTURE-BRIDGING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/677,218B
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/034,205
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-03268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 33:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 240 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 33:
US-09-677-218B-33

Query Match 100.0%; Score 20; DB 3; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
Db 207 TTTCGGACCCCACTACTC 188

RESULT 58
US-09-677-218B-35/c
; Sequence 35, Application US/09677218B
; Patent No. 6355437
; GENERAL INFORMATION:

APPLICANT: Lyamichev, Victor I.
Brow, Mary Ann D.
Fors, Lance
Neri, Bruce P.
TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
STRUCTURE-BRIDGING OLIGONUCLEOTIDES
NUMBER OF SEQUENCES: 68
CORRESPONDENCE ADDRESS:
ADDRESSEE: MEDLEN & CARROLL, LLP
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/677,218B
FILING DATE: 02-Oct-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/034,205
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: MacKnight, Kamrin T.
REGISTRATION NUMBER: 38,230
REFERENCE/DOCKET NUMBER: FORS-03268
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 705-8410
TELEFAX: (415) 397-8338
INFORMATION FOR SEQ ID NO: 35:
SEQUENCE CHARACTERISTICS:
LENGTH: 240 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "DNA"
SEQUENCE DESCRIPTION: SEQ ID NO: 35:
US-09-677-218B-35

Query Match 100.0%; Score 20; DB 3; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
Db 207 TTTCGGACCCCACTACTC 188

RESULT 59
US-09-677-218B-38/c
; Sequence 38, Application US/09677218B
; Patent No. 6355437
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; Brow, Mary Ann D.
; Fors, Lance
; Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
; STRUCTURE-BRIDGING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:

/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION NUMBER: US/09/677,218B
/ FILING DATE: 02-Oct-2000
/ CLASSIFICATION: <Unknown>
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 09/034,205
/ FILING DATE: <Unknown>
/ ATTORNEY/AGENT INFORMATION:
/ NAME: MacKnight, Kamrin T.
/ REGISTRATION NUMBER: 38,230
/ REFERENCE/DOCKET NUMBER: FORS-03268
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 705-8410
/ TELEFAX: (415) 397-8338
/ INFORMATION FOR SEQ ID NO: 38:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 240 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ MOLECULE TYPE: other nucleic acid
/ DESCRIPTION: /desc = "DNA"
/ SEQUENCE DESCRIPTION: SEQ ID NO: 38:
US-09-677-218B-38

Query Match 100.0%; Score 20; DB 3; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20
Db 208 TTTCGGACCCCAACTACTC 189

RESULT 60

US-09-677-192-33/c
/ Sequence 33, Application US/09677192
/ Patent No. 6358691
/ GENERAL INFORMATION:
/ APPLICANT: Lyamichev, Victor I.
/ APPLICANT: Brow, Mary Ann D.
/ APPLICANT: Fors, Lance
/ APPLICANT: Neri, Bruce P.
/ TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING STRUCTURE-BRIDGING
/ FILE REFERENCE: FORS-04708
/ CURRENT APPLICATION NUMBER: US/09/677,192
/ CURRENT FILING DATE: 2000-10-02
/ PRIOR APPLICATION NUMBER: 09/034,205
/ PRIOR FILING DATE: 1998-03-03
/ NUMBER OF SEQ ID NOS: 68
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 33
/ LENGTH: 240
/ TYPE: DNA
/ ORGANISM: Hepatitis C virus
US-09-677-192-33

Query Match 100.0%; Score 20; DB 3; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20
Db 207 TTTCGGACCCCAACTACTC 188

RESULT 61

US-09-677-192-35/c

/ Sequence 35, Application US/09677192
/ Patent No. 6358691
/ GENERAL INFORMATION:
/ APPLICANT: Lyamichev, Victor I.
/ APPLICANT: Brow, Mary Ann D.
/ APPLICANT: Fors, Lance
/ APPLICANT: Neri, Bruce P.
/ TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING STRUCTURE-BRIDGING
/ FILE REFERENCE: FORS-04708
/ CURRENT APPLICATION NUMBER: US/09/677,192
/ CURRENT FILING DATE: 2000-10-02
/ PRIOR APPLICATION NUMBER: 09/034,205
/ PRIOR FILING DATE: 1998-03-03
/ NUMBER OF SEQ ID NOS: 68
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 35
/ LENGTH: 240
/ TYPE: DNA
/ ORGANISM: Hepatitis C virus
US-09-677-192-35

Query Match 100.0%; Score 20; DB 3; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20
Db 207 TTTCGGACCCCAACTACTC 188

RESULT 62

US-09-677-192-38/c
/ Sequence 38, Application US/09677192
/ Patent No. 6358691
/ GENERAL INFORMATION:
/ APPLICANT: Lyamichev, Victor I.
/ APPLICANT: Brow, Mary Ann D.
/ APPLICANT: Fors, Lance
/ APPLICANT: Neri, Bruce P.
/ TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING STRUCTURE-BRIDGING
/ FILE REFERENCE: FORS-04708
/ CURRENT APPLICATION NUMBER: US/09/677,192
/ CURRENT FILING DATE: 2000-10-02
/ PRIOR APPLICATION NUMBER: 09/034,205
/ PRIOR FILING DATE: 1998-03-03
/ NUMBER OF SEQ ID NOS: 68
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 38
/ LENGTH: 240
/ TYPE: DNA
/ ORGANISM: Hepatitis C virus
US-09-677-192-38

Query Match 100.0%; Score 20; DB 3; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20
Db 208 TTTCGGACCCCAACTACTC 189

RESULT 63

US-09-402-618B-33/c
/ Sequence 33, Application US/09402618B
/ Patent No. 6709815
/ GENERAL INFORMATION:
/ APPLICANT: Dong, Fang
/ APPLICANT: Lyamichev, Victor
/ APPLICANT: Prudent, James
/ APPLICANT: Fors, Lance

```
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/09/402,618B
; CURRENT FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 33
; LENGTH: 240
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-09-402-618B-33

Query Match      100.0%; Score 20; DB 4; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  TTTCGGACCCCAACTACTC 20
        ||||||||||||||||||
Db      207 TTTCGGACCCCAACTACTC 188

RESULT 64
US-09-402-618B-35/c
; Sequence 35, Application US/09402618B
; Patent No. 6709815
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/09/402,618B
; CURRENT FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 35
; LENGTH: 240
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-09-402-618B-35

Query Match      100.0%; Score 20; DB 4; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  TTTCGGACCCCAACTACTC 20
        ||||||||||||||||||
Db      207 TTTCGGACCCCAACTACTC 188

RESULT 65
US-09-402-618B-38/c
; Sequence 38, Application US/09402618B
; Patent No. 6709815
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
```

```
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/09/402,618B
; CURRENT FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 38
; LENGTH: 240
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-09-402-618B-38

Query Match      100.0%; Score 20; DB 4; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  TTTCGGACCCCAACTACTC 20
        ||||||||||||||||||
Db      208 TTTCGGACCCCAACTACTC 189

RESULT 66
US-09-825-574-33/c
; Sequence 33, Application US/09825574
; Patent No. 6709819
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
;                               Structure Probing With Structure-Bridging
;                               Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESS: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/825,574
; FILING DATE: 03-Apr-2001
; CLASSIFICATION: <unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/934,097
; FILING DATE: <unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 33:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 240 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
```

; SEQUENCE DESCRIPTION: SEQ ID NO: 33:
US-09-825-574-33

Query Match 100.0%; Score 20; DB 4; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||
Db 207 TTTCGGACCCCAACTACTC 188

RESULT 67

US-09-825-574-35/c
; Sequence 35, Application US/09825574
; Patent No. 6709819

GENERAL INFORMATION:

APPLICANT: Lyamichev, Victor I.
Brow, Mary Ann D.
Fors, Lance
Neri, Bruce P.

TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
Structure Probing With Structure-Bridging
Oligonucleotides.

NUMBER OF SEQUENCES: 51

CORRESPONDENCE ADDRESS:

ADDRESSEE: MEDLEN & CARROLL, LLP
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
STATE: CA

COUNTRY: USA

ZIP: 94104

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/825,574

FILING DATE: 03-Apr-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/934,097

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: MacKnight, Kamrin T.

REGISTRATION NUMBER: 38,230

REFERENCE/DOCKET NUMBER: FORS-02980

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 705-8410

TELEFAX: (415) 397-8338

INFORMATION FOR SEQ ID NO: 35:

SEQUENCE CHARACTERISTICS:

LENGTH: 240 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: other nucleic acid

DESCRIPTION: /desc = "DNA"

SEQUENCE DESCRIPTION: SEQ ID NO: 35:

Query Match 100.0%; Score 20; DB 4; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||
Db 207 TTTCGGACCCCAACTACTC 188

RESULT 68

US-09-825-574-38/c

; Sequence 38, Application US/09825574
; Patent No. 6709819

GENERAL INFORMATION:

APPLICANT: Lyamichev, Victor I.
Brow, Mary Ann D.
Fors, Lance
Neri, Bruce P.

TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
Structure Probing With Structure-Bridging
Oligonucleotides.

NUMBER OF SEQUENCES: 51

CORRESPONDENCE ADDRESS:

ADDRESSEE: MEDLEN & CARROLL, LLP
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
STATE: CA

COUNTRY: USA

ZIP: 94104

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/825,574

FILING DATE: 03-Apr-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/934,097

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: MacKnight, Kamrin T.

REGISTRATION NUMBER: 38,230

REFERENCE/DOCKET NUMBER: FORS-02980

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 705-8410

TELEFAX: (415) 397-8338

INFORMATION FOR SEQ ID NO: 38:

SEQUENCE CHARACTERISTICS:

LENGTH: 240 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: other nucleic acid

DESCRIPTION: /desc = "DNA"

SEQUENCE DESCRIPTION: SEQ ID NO: 38:

US-09-825-574-38
Query Match 100.0%; Score 20; DB 4; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||
Db 208 TTTCGGACCCCAACTACTC 189

RESULT 69

US-09-676-768-33/c

; Sequence 33, Application US/09676768

; Patent No. 6780585

GENERAL INFORMATION:

APPLICANT: Dong, Fang
Lyamichev, Victor I.
Prudent, James R.
Dahlberg, James E.
Fors, Lance

TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
Structure Probing

NUMBER OF SEQUENCES: 38

CORRESPONDENCE ADDRESS:

ADDRESSEE: MEDLEN & CARROLL, LLP
STREET: 220 Montgomery Street, Suite 2200

```
;
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/676,768
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: 435
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,588
; FILING DATE: 05-May-1997
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02777
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
;
; INFORMATION FOR SEQ ID NO: 33:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 240 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 33:
US-09-676-768-33

Query Match 100.0%; Score 20; DB 4; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 207 TTTCGGACCCCAACTACTC 188

RESULT 70
US-09-676-768-35/c
; Sequence 35, Application US/09676768
; Patent No. 6780585
;
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; Lyamichev, Victor I.
; Prudent, James R.
; Dahlberg, James E.
; Fors, Lance
;
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; Structure Probing
;
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/676,768
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: 435
;
; PRIOR APPLICATION DATA:
```

```
;
; APPLICATION NUMBER: US/08/851,588
; FILING DATE: 05-May-1997
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02777
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
;
; TELECOMMUNICATION INFORMATION:
; INFORMATION FOR SEQ ID NO: 35:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 240 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 35:
US-09-676-768-35

Query Match 100.0%; Score 20; DB 4; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 207 TTTCGGACCCCAACTACTC 188

RESULT 71
US-09-676-768-38/c
; Sequence 38, Application US/09676768
; Patent No. 6780585
;
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; Lyamichev, Victor I.
; Prudent, James R.
; Dahlberg, James E.
; Fors, Lance
;
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; Structure Probing
;
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/676,768
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: 435
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,588
; FILING DATE: 05-May-1997
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02777
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
;
; TELECOMMUNICATION INFORMATION:
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 240 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
```


;
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 38:
US-09-676-768-38

Query Match 100.0%; Score 20; DB 4; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20
Db 208 TTCGCGACCCCAACTACTC 189

RESULT 72

US-09-034-205-26/c
; Sequence 26, Application US/09034205
; Patent No. 6194149

GENERAL INFORMATION:

; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance P.

; APPLICANT: Neri, Bruce P.

; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
; TITLE OF INVENTION: STRUCTURE-BRIDGING OLIGONUCLEOTIDES

; NUMBER OF SEQUENCES: 68

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200

; CITY: San Francisco

; STATE: CA

; COUNTRY: USA

; ZIP: 94104

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/034,205

; FILING DATE:

; CLASSIFICATION:

; ATTORNEY/AGENT INFORMATION:

; NAME: MacKnight, Kamrin T.

; REGISTRATION NUMBER: 38,230

; REFERENCE/DOCKET NUMBER: FORS-03268

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (415) 705-8410

; TELEFAX: (415) 397-8338

; INFORMATION FOR SEQ ID NO: 26:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 244 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

; MOLECULE TYPE: other nucleic acid

; DESCRIPTION: /desc = "DNA"

US-09-034-205-26

Query Match 100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20
Db 208 TTCGCGACCCCAACTACTC 189

RESULT 73

US-09-034-205-27/c
; Sequence 27, Application US/09034205
; Patent No. 6194149

;
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance P.
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
; TITLE OF INVENTION: STRUCTURE-BRIDGING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent In Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/034,205

; FILING DATE:

; CLASSIFICATION:

; ATTORNEY/AGENT INFORMATION:

; NAME: MacKnight, Kamrin T.

; REGISTRATION NUMBER: 38,230

; REFERENCE/DOCKET NUMBER: FORS-03268

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (415) 705-8410

; TELEFAX: (415) 397-8338

; INFORMATION FOR SEQ ID NO: 27:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 244 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

; MOLECULE TYPE: other nucleic acid

; DESCRIPTION: /desc = "DNA"

US-09-034-205-27

Query Match 100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20
Db 208 TTCGCGACCCCAACTACTC 189

RESULT 74

US-09-034-205-29/c
; Sequence 29, Application US/09034205
; Patent No. 6194149

; GENERAL INFORMATION:

; APPLICANT: Lyamichev, Victor I.

; APPLICANT: Brow, Mary Ann D.

; APPLICANT: Fors, Lance P.

; APPLICANT: Neri, Bruce P.

; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
; TITLE OF INVENTION: STRUCTURE-BRIDGING OLIGONUCLEOTIDES

; NUMBER OF SEQUENCES: 68

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: MEDLEN & CARROLL, LLP

; STREET: 220 Montgomery Street, Suite 2200

; CITY: San Francisco

; STATE: CA

; COUNTRY: USA

; ZIP: 94104

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

```
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/034,205
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-03268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-09-034-205-29

Query Match 100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 208 TTTCGGACCCCAACTACTC 189

RESULT 75
US-09-034-205-31/c
; Sequence 31, Application US/09034205
; Patent No. 6194149
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
; TITLE OF INVENTION: STRUCTURE-BRIDGING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/034,205
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-08-934-097A-26

Query Match 100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 208 TTTCGGACCCCAACTACTC 189

RESULT 76
US-08-934-097A-26/c
; Sequence 26, Application US/08934097A
; Patent No. 6210880
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; TITLE OF INVENTION: Structure Probing With Structure-Bridging
; TITLE OF INVENTION: Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/934,097A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-08-934-097A-26

Query Match 100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 208 TTTCGGACCCCAACTACTC 189

RESULT 77
US-08-934-097A-27/c
; Sequence 27, Application US/08934097A
; Patent No. 6210880
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
```

APPLICANT: Brow, Mary Ann D.
APPLICANT: Fors, Lance
APPLICANT: Neri, Bruce P.
TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
TITLE OF INVENTION: Structure Probing With Structure-Bridging
TITLE OF INVENTION: Oligonucleotides.
NUMBER OF SEQUENCES: 51
CORRESPONDENCE ADDRESS:
ADDRESSEE: MEDLEN & CARROLL, LLP
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/934,097A
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: MacKnight, Kamrin T.
REGISTRATION NUMBER: 38,230
REFERENCE/DOCKET NUMBER: FORS-02980
TELEPHONE: (415) 705-8410
TELEFAX: (415) 397-8338
INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 244 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "DNA"
US-08-934-097A-27

Query Match 100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCCGACCCCAACTACTC 20
|||||
Db 208 TTCCGACCCCAACTACTC 189

RESULT 78
US-08-934-097A-29/c
Sequence 29, Application US/08934097A
Patent No. 6210880
GENERAL INFORMATION:
APPLICANT: Lyamichev, Victor I.
APPLICANT: Brow, Mary Ann D.
APPLICANT: Fors, Lance
APPLICANT: Neri, Bruce P.
TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
TITLE OF INVENTION: Structure Probing With Structure-Bridging
TITLE OF INVENTION: Oligonucleotides.
NUMBER OF SEQUENCES: 51
CORRESPONDENCE ADDRESS:
ADDRESSEE: MEDLEN & CARROLL, LLP
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/934,097A
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: MacKnight, Kamrin T.
REGISTRATION NUMBER: 38,230
REFERENCE/DOCKET NUMBER: FORS-02980
TELEPHONE: (415) 705-8410
TELEFAX: (415) 397-8338
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 244 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "DNA"
US-08-934-097A-29

Query Match 100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCCGACCCCAACTACTC 20
|||||
Db 208 TTCCGACCCCAACTACTC 189

RESULT 79
US-08-934-097A-31/c
Sequence 31, Application US/08934097A
Patent No. 6210880
GENERAL INFORMATION:
APPLICANT: Lyamichev, Victor I.
APPLICANT: Brow, Mary Ann D.
APPLICANT: Fors, Lance
APPLICANT: Neri, Bruce P.
TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
TITLE OF INVENTION: Structure Probing With Structure-Bridging
TITLE OF INVENTION: Oligonucleotides.
NUMBER OF SEQUENCES: 51
CORRESPONDENCE ADDRESS:
ADDRESSEE: MEDLEN & CARROLL, LLP
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/934,097A
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: MacKnight, Kamrin T.
REGISTRATION NUMBER: 38,230
REFERENCE/DOCKET NUMBER: FORS-02980
TELEPHONE: (415) 705-8410
TELEFAX: (415) 397-8338
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 244 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear

; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-08-934-097A-31

Query Match 100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||
Db 208 TTTCGGACCCCAACTACTC 189

RESULT 80

US-08-851-588-26/c
; Sequence 26, Application US/08851588
; Patent No. 6214545
; GENERAL INFORMATION:

; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Prudent, James R.
; APPLICANT: Dahlberg, James E.
; APPLICANT: Fors, Lance

; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; TITLE OF INVENTION: Structure Probing

; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:

; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA

; ZIP: 94104
; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,588

; FILING DATE:
; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.

; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02777

; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410

; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 26:

; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs

; TYPE: nucleic acid
; STRANDEDNESS: double

; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid

; DESCRIPTION: /desc = "DNA"
US-08-851-588-26

Query Match 100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||
Db 208 TTTCGGACCCCAACTACTC 189

RESULT 81

US-08-851-588-27/c
; Sequence 27, Application US/08851588
; Patent No. 6214545
; GENERAL INFORMATION:

; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Prudent, James R.
; APPLICANT: Dahlberg, James E.
; APPLICANT: Fors, Lance

; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; TITLE OF INVENTION: Structure Probing

; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:

; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA

; ZIP: 94104
; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,588

; FILING DATE:
; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.

; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02777

; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410

; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 27:

; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs

; TYPE: nucleic acid
; STRANDEDNESS: double

; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid

; DESCRIPTION: /desc = "DNA"
US-08-851-588-27

Query Match 100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||
Db 208 TTTCGGACCCCAACTACTC 189

RESULT 82

US-08-851-588-29/c
; Sequence 29, Application US/08851588
; Patent No. 6214545
; GENERAL INFORMATION:

; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Prudent, James R.

; APPLICANT: Dahlberg, James E.
; APPLICANT: Fors, Lance

; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; TITLE OF INVENTION: Structure Probing

; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:

; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA

; ZIP: 94104
; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible

```
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/851,588
/ FILING DATE:
/ CLASSIFICATION: 435
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Ingolia, Diane E.
/ REGISTRATION NUMBER: 40,027
/ REFERENCE/DOCKET NUMBER: FORS-02777
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 705-8410
/ TELEFAX: (415) 397-8338
/ INFORMATION FOR SEQ ID NO: 29:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 244 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ MOLECULE TYPE: other nucleic acid
/ DESCRIPTION: /desc = "DNA"
US-08-851-588-29

Query Match      100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTTCGGACCCCAACTACTC 20
Db      208 TTTCGGACCCCAACTACTC 189

RESULT 83
US-08-851-588-31/c
/ Sequence 31, Application US/08851588
/ Patent No. 6214545
/ GENERAL INFORMATION:
/ APPLICANT: Dong, Fang
/ APPLICANT: Lyamichev, Victor I.
/ APPLICANT: Prudent, James R.
/ APPLICANT: Dahlberg, James E.
/ APPLICANT: Fors, Lance
/ TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
/ NUMBER OF SEQUENCES: 38
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: MEDLEN & CARROLL, LLP
/ STREET: 220 Montgomery Street, Suite 2200
/ CITY: San Francisco
/ STATE: CA
/ COUNTRY: USA
/ ZIP: 94104
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/851,588
/ FILING DATE:
/ CLASSIFICATION: 435
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Ingolia, Diane E.
/ REGISTRATION NUMBER: 40,027
/ REFERENCE/DOCKET NUMBER: FORS-02777
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 705-8410
/ TELEFAX: (415) 397-8338
/ INFORMATION FOR SEQ ID NO: 31:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 244 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
```

```
/ TOPOLOGY: linear
/ MOLECULE TYPE: other nucleic acid
/ DESCRIPTION: /desc = "DNA"
US-08-851-588-31

Query Match      100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTTCGGACCCCAACTACTC 20
Db      208 TTTCGGACCCCAACTACTC 189

RESULT 84
US-09-677-218B-26/c
/ Sequence 26, Application US/09677218B
/ Patent No. 6355437
/ GENERAL INFORMATION:
/ APPLICANT: Lyamichev, Victor I.
/ APPLICANT: Brow, Mary Ann D.
/ APPLICANT: Fors, Lance P.
/ APPLICANT: Neri, Bruce P.
/ TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
/ STRUCTURE-BRIDGING OLIGONUCLEOTIDES
/ NUMBER OF SEQUENCES: 68
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: MEDLEN & CARROLL, LLP
/ STREET: 220 Montgomery Street, Suite 2200
/ CITY: San Francisco
/ STATE: CA
/ COUNTRY: USA
/ ZIP: 94104
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/677,218B
/ FILING DATE: 02-Oct-2000
/ CLASSIFICATION: <Unknown>
/ PRIOR APPLICATION NUMBER:
/ APPLICATION NUMBER: 09/034,205
/ FILING DATE: <Unknown>
/ ATTORNEY/AGENT INFORMATION:
/ NAME: MacKnight, Kamrin T.
/ REGISTRATION NUMBER: 38,230
/ REFERENCE/DOCKET NUMBER: FORS-03268
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 705-8410
/ TELEFAX: (415) 397-8338
/ INFORMATION FOR SEQ ID NO: 26:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 244 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ MOLECULE TYPE: other nucleic acid
/ DESCRIPTION: /desc = "DNA"
/ SEQUENCE DESCRIPTION: SEQ ID NO: 26:
US-09-677-218B-26

Query Match      100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTTCGGACCCCAACTACTC 20
Db      208 TTTCGGACCCCAACTACTC 189

RESULT 85
```

```
US-09-677-218B-27/c
; Sequence 27, Application US/09677218B
; Patent No. 6355437
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; Fors, Lance
; Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
; STRUCTURE-BRIDGING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/677,218B
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/034,205
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-03268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 27:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 27:
US-09-677-218B-27
Query Match 100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
Db 208 TTTCGGACCCCACTACTC 189

RESULT 86
US-09-677-218B-29/c
; Sequence 29, Application US/09677218B
; Patent No. 6355437
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; Fors, Lance
; Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
; STRUCTURE-BRIDGING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/677,218B
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/034,205
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-03268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 29:
US-09-677-218B-31/c
; Sequence 31, Application US/09677218B
; Patent No. 6355437
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; Fors, Lance
; Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
; STRUCTURE-BRIDGING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/677,218B
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/034,205
; FILING DATE: <Unknown>
```

ATTORNEY/AGENT INFORMATION:
NAME: MacKnight, Kamrin T.
REGISTRATION NUMBER: 38,230
REFERENCE/DOCKET NUMBER: FORS-03268
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 705-8410
TELEFAX: (415) 397-8338
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 244 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "DNA"
SEQUENCE DESCRIPTION: SEQ ID NO: 31:

US-09-677-218B-31
Query Match 100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGGACCCCAACTACTC 20
|||||
DB 208 TTGCGGACCCCAACTACTC 189

RESULT 88

US-09-677-192-26/c
Sequence 26, Application US/09677192
Patent No. 6358691
GENERAL INFORMATION:
APPLICANT: Lyamichev, Victor I.
APPLICANT: Brow, Mary Ann D.
APPLICANT: Fors, Lance
APPLICANT: Neri, Bruce P.
TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING STRUCTURE-BRIDGING
FILE REFERENCE: FORS-04708
CURRENT APPLICATION NUMBER: US/09/677,192
CURRENT FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: 09/034,205
PRIOR FILING DATE: 1998-03-03
NUMBER OF SEQ ID NOS: 68
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 26
LENGTH: 244
TYPE: DNA
ORGANISM: Hepatitis C virus
US-09-677-192-26

Query Match 100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGGACCCCAACTACTC 20
|||||
DB 208 TTGCGGACCCCAACTACTC 189

RESULT 89

US-09-677-192-27/c
Sequence 27, Application US/09677192
Patent No. 6358691
GENERAL INFORMATION:
APPLICANT: Lyamichev, Victor I.
APPLICANT: Brow, Mary Ann D.
APPLICANT: Fors, Lance
APPLICANT: Neri, Bruce P.
TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING STRUCTURE-BRIDGING
FILE REFERENCE: FORS-04708
CURRENT APPLICATION NUMBER: US/09/677,192

CURRENT FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: 09/034,205
PRIOR FILING DATE: 1998-03-03
NUMBER OF SEQ ID NOS: 68
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 27
LENGTH: 244
TYPE: DNA
ORGANISM: Hepatitis C virus
US-09-677-192-27

Query Match 100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGGACCCCAACTACTC 20
|||||
DB 208 TTGCGGACCCCAACTACTC 189

RESULT 90

US-09-677-192-29/c
Sequence 29, Application US/09677192
Patent No. 6358691
GENERAL INFORMATION:
APPLICANT: Lyamichev, Victor I.
APPLICANT: Brow, Mary Ann D.
APPLICANT: Fors, Lance
APPLICANT: Neri, Bruce P.
TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING STRUCTURE-BRIDGING
FILE REFERENCE: FORS-04708
CURRENT APPLICATION NUMBER: US/09/677,192
CURRENT FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: 09/034,205
PRIOR FILING DATE: 1998-03-03
NUMBER OF SEQ ID NOS: 68
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 29
LENGTH: 244
TYPE: DNA
ORGANISM: Hepatitis C virus
US-09-677-192-29

Query Match 100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGGACCCCAACTACTC 20
|||||
DB 208 TTGCGGACCCCAACTACTC 189

RESULT 91

US-09-677-192-31/c
Sequence 31, Application US/09677192
Patent No. 6358691
GENERAL INFORMATION:
APPLICANT: Lyamichev, Victor I.
APPLICANT: Brow, Mary Ann D.
APPLICANT: Fors, Lance
APPLICANT: Neri, Bruce P.
TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING STRUCTURE-BRIDGING
FILE REFERENCE: FORS-04708
CURRENT APPLICATION NUMBER: US/09/677,192
CURRENT FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: 09/034,205
PRIOR FILING DATE: 1998-03-03
NUMBER OF SEQ ID NOS: 68
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 31
LENGTH: 244

; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-09-677-192-31

Query Match 100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGACCCCAACTACTC 20
|||||
Db 208 TTGCGACCCCAACTACTC 189

RESULT 92

US-09-402-618B-26/c
; Sequence 26, Application US/09402618B
; Patent No. 6709815
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/09/402,618B
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 2000-07-18
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 26
; LENGTH: 244
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-09-402-618B-26

Query Match 100.0%; Score 20; DB 4; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGACCCCAACTACTC 20
|||||
Db 208 TTGCGACCCCAACTACTC 189

RESULT 93

US-09-402-618B-27/c
; Sequence 27, Application US/09402618B
; Patent No. 6709815
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/09/402,618B
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 2000-07-18
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 27
; LENGTH: 244
; TYPE: DNA

; ORGANISM: Hepatitis C virus
US-09-402-618B-27

Query Match 100.0%; Score 20; DB 4; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGACCCCAACTACTC 20
|||||
Db 208 TTGCGACCCCAACTACTC 189

RESULT 94

US-09-402-618B-29/c
; Sequence 29, Application US/09402618B
; Patent No. 6709815
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/09/402,618B
; CURRENT FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 29
; LENGTH: 244
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-09-402-618B-29

Query Match 100.0%; Score 20; DB 4; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGACCCCAACTACTC 20
|||||
Db 208 TTGCGACCCCAACTACTC 189

RESULT 95

US-09-402-618B-31/c
; Sequence 31, Application US/09402618B
; Patent No. 6709815
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/09/402,618B
; CURRENT FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 31
; LENGTH: 244
; TYPE: DNA
; ORGANISM: Hepatitis C virus

US-09-402-618B-31

Query Match 100.0%; Score 20; DB 4; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCGCGACCCCAACTACTC 20
|||||
Db 208 TTCGCGACCCCAACTACTC 189

RESULT 96

US-09-402-618B-124
; Sequence 124, Application US/09402618B
; Patent No. 6709815
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/09/402,618B
; CURRENT FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 124
; LENGTH: 244
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-09-402-618B-124

Query Match 100.0%; Score 20; DB 4; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCGCGACCCCAACTACTC 20
|||||
Db 37 TTCGCGACCCCAACTACTC 56

RESULT 97

US-09-402-618B-125
; Sequence 125, Application US/09402618B
; Patent No. 6709815
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/09/402,618B
; CURRENT FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 125
; LENGTH: 244
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-09-402-618B-125

Query Match 100.0%; Score 20; DB 4; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCGCGACCCCAACTACTC 20
|||||
Db 37 TTCGCGACCCCAACTACTC 56

RESULT 98

US-09-402-618B-127
; Sequence 127, Application US/09402618B
; Patent No. 6709815
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/09/402,618B
; CURRENT FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 127
; LENGTH: 244
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-09-402-618B-127

Query Match 100.0%; Score 20; DB 4; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCGCGACCCCAACTACTC 20
|||||
Db 37 TTCGCGACCCCAACTACTC 56

RESULT 99

US-09-402-618B-128
; Sequence 128, Application US/09402618B
; Patent No. 6709815
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/09/402,618B
; CURRENT FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 128
; LENGTH: 244
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-09-402-618B-128

Query Match 100.0%; Score 20; DB 4; Length 244;
Best Local Similarity 80.0%; Pred. No. 0.0029;
Matches 16; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
Db 37 UUCGGACCCCACTACTC 56

RESULT 100

US-09-825-574-26/c
; Sequence 26, Application US/09825574
; Patent No. 6709819
; GENERAL INFORMATION:

APPLICANT: Lyamichev, Victor I.
Brow, Mary Ann D.
Fors, Lance
Neri, Bruce P.

TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
Structure Probing With Structure-Bridging
Oligonucleotides.

NUMBER OF SEQUENCES: 51

CORRESPONDENCE ADDRESS:

ADDRESSEE: MEDLEN & CARROLL, LLP
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
STATE: CA
COUNTRY: USA

ZIP: 94104

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/825,574

FILING DATE: 03-Apr-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/934,097

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: MacKnight, Kamrin T.

REGISTRATION NUMBER: 38,230

REFERENCE/DOCKET NUMBER: FORS-02980

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 705-8410

TELEFAX: (415) 397-8338

INFORMATION FOR SEQ ID NO: 26:

SEQUENCE CHARACTERISTICS:

LENGTH: 244 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: other nucleic acid

DESCRIPTION: /desc = "DNA"

SEQUENCE DESCRIPTION: SEQ ID NO: 26:

US-09-825-574-26

Query Match 100.0%; Score 20; DB 4; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
Db 208 TTTCGGACCCCACTACTC 189

RESULT 101

US-09-825-574-27/c
; Sequence 27, Application US/09825574
; Patent No. 6709819
; GENERAL INFORMATION:

APPLICANT: Lyamichev, Victor I.
Brow, Mary Ann D.
Fors, Lance
Neri, Bruce P.
TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
Structure Probing With Structure-Bridging
Oligonucleotides.

NUMBER OF SEQUENCES: 51

CORRESPONDENCE ADDRESS:

ADDRESSEE: MEDLEN & CARROLL, LLP
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
STATE: CA
COUNTRY: USA

ZIP: 94104

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/825,574

FILING DATE: 03-Apr-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/934,097

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: MacKnight, Kamrin T.

REGISTRATION NUMBER: 38,230

REFERENCE/DOCKET NUMBER: FORS-02980

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 705-8410

TELEFAX: (415) 397-8338

INFORMATION FOR SEQ ID NO: 27:

SEQUENCE CHARACTERISTICS:

LENGTH: 244 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: other nucleic acid

DESCRIPTION: /desc = "DNA"

SEQUENCE DESCRIPTION: SEQ ID NO: 27:

US-09-825-574-27

Query Match 100.0%; Score 20; DB 4; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
Db 208 TTTCGGACCCCACTACTC 189

RESULT 102

US-09-825-574-29/c
; Sequence 29, Application US/09825574
; Patent No. 6709819
; GENERAL INFORMATION:

APPLICANT: Lyamichev, Victor I.
Brow, Mary Ann D.
Fors, Lance
Neri, Bruce P.

TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
Structure Probing With Structure-Bridging
Oligonucleotides.

NUMBER OF SEQUENCES: 51

CORRESPONDENCE ADDRESS:

ADDRESSEE: MEDLEN & CARROLL, LLP
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
STATE: CA
COUNTRY: USA

ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/825,574
FILING DATE: 03-Apr-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/934,097
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: MacKnight, Kamrin T.
REGISTRATION NUMBER: 38,230
REFERENCE/DOCKET NUMBER: FORS-02980
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 705-8410
TELEFAX: (415) 397-8338
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 244 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "DNA"
SEQUENCE DESCRIPTION: SEQ ID NO: 29:
US-09-825-574-29

Query Match 100.0%; Score 20; DB 4; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||
Db 208 TTTCGGACCCCAACTACTC 189

RESULT 103
US-09-825-574-31/c
Sequence 31, Application US/09825574
Patent No. 6709819
GENERAL INFORMATION:
APPLICANT: Lyamichev, Victor I.
Brow, Mary Ann D.
Neri, Bruce P.
Fors, Lance
Fors, Lance
TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
Structure Probing With Structure-Bridging
Oligonucleotides.
NUMBER OF SEQUENCES: 51
CORRESPONDENCE ADDRESS:
ADDRESSEE: MEDLEN & CARROLL, LLP
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/825,574
FILING DATE: 03-Apr-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/934,097
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:

NAME: MacKnight, Kamrin T.
REGISTRATION NUMBER: 38,230
REFERENCE/DOCKET NUMBER: FORS-02980
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 705-8410
TELEFAX: (415) 397-8338
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 244 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "DNA"
SEQUENCE DESCRIPTION: SEQ ID NO: 31:
US-09-825-574-31

Query Match 100.0%; Score 20; DB 4; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||
Db 208 TTTCGGACCCCAACTACTC 189

RESULT 104
US-09-676-768-26/c
Sequence 26, Application US/09676768
Patent No. 6780585
GENERAL INFORMATION:
APPLICANT: Dong, Fang
Lyamichev, Victor I.
Prudent, James R.
Dahlberg, James E.
Fors, Lance
TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
Structure Probing
NUMBER OF SEQUENCES: 38
CORRESPONDENCE ADDRESS:
ADDRESSEE: MEDLEN & CARROLL, LLP
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/676,768
FILING DATE: 02-Oct-2000
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/851,588
FILING DATE: 05-May-1997
ATTORNEY/AGENT INFORMATION:
NAME: Ingolia, Diane E.
REGISTRATION NUMBER: 40,027
REFERENCE/DOCKET NUMBER: FORS-02777
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 705-8410
TELEFAX: (415) 397-8338
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 244 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "DNA"

```
; SEQUENCE DESCRIPTION: SEQ ID NO: 26:
US-09-676-768-26

Query Match      100.0%; Score 20; DB 4; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
Db 208 TTTCGGACCCCACTACTC 189

RESULT 105
US-09-676-768-27/c
; Sequence 27, Application US/09676768
; Patent No. 6780585
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; Lyamichev, Victor I.
; Prudent, James R.
; Dahlberg, James E.
; Fors, Lance
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; Structure Probing
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/676,768
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,588
; FILING DATE: 05-May-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02777
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 27:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 27:
US-09-676-768-27

Query Match      100.0%; Score 20; DB 4; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
Db 208 TTTCGGACCCCACTACTC 189

RESULT 106
US-09-676-768-29/c
; Sequence 29, Application US/09676768
; Patent No. 6780585
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; Lyamichev, Victor I.
; Prudent, James R.
; Dahlberg, James E.
; Fors, Lance
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; Structure Probing
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/676,768
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,588
; FILING DATE: 05-May-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02777
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 29:
US-09-676-768-29

Query Match      100.0%; Score 20; DB 4; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
Db 208 TTTCGGACCCCACTACTC 189

RESULT 107
US-09-676-768-31/c
; Sequence 31, Application US/09676768
; Patent No. 6780585
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; Lyamichev, Victor I.
; Prudent, James R.
; Dahlberg, James E.
; Fors, Lance
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; Structure Probing
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
```

;/ CITY: San Francisco
;/ STATE: CA
;/ COUNTRY: USA
;/ ZIP: 94104
;/
;/ COMPUTER READABLE FORM:
;/ MEDIUM TYPE: Floppy disk
;/ COMPUTER: IBM PC compatible
;/ OPERATING SYSTEM: PC-DOS/MS-DOS
;/ SOFTWARE: Patent Release #1.0, Version #1.30
;/
;/ CURRENT APPLICATION DATA:
;/ APPLICATION NUMBER: US/09/676,768
;/ FILING DATE: 02-Oct-2000
;/ CLASSIFICATION: 435
;/
;/ PRIOR APPLICATION DATA:
;/ APPLICATION NUMBER: US/08/851,588
;/ FILING DATE: 05-May-1997
;/
;/ ATTORNEY/AGENT INFORMATION:
;/ NAME: Ingolia, Diane E.
;/ REGISTRATION NUMBER: 40,027
;/ REFERENCE/DOCKET NUMBER: FORS-02777
;/ TELECOMMUNICATION INFORMATION:
;/ TELEPHONE: (415) 705-8410
;/ TELEFAX: (415) 397-8338
;/
;/ INFORMATION FOR SEQ ID NO: 31:
;/ SEQUENCE CHARACTERISTICS:
;/ LENGTH: 244 base pairs
;/ TYPE: nucleic acid
;/ STRANDEDNESS: double
;/ TOPOLOGY: linear
;/
;/ MOLECULE TYPE: other nucleic acid
;/ DESCRIPTION: /desc = "DNA"
;/ SEQUENCE DESCRIPTION: SEQ ID NO: 31:
;/
;/ US-09-676-768-31

Query Match 100.0%; Score 20; DB 4; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||

Db 208 TTTCGGACCCCAACTACTC 189

RESULT 108
US-08-441-971-33/c
; Sequence 33, Application US/08441971
; Patent No. 6071693
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441,971
; FILING DATE: 16-May-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:

;/ APPLICATION NUMBER: 07/697,326
;/ FILING DATE: 8 May 1991
;/ ATTORNEY/AGENT INFORMATION:
;/ NAME: Janiuk, Anthony J.
;/ REGISTRATION NUMBER: 29,809
;/ REFERENCE/DOCKET NUMBER: C0772/7000
;/ TELECOMMUNICATION INFORMATION:
;/ TELEPHONE: (617) 720-3500
;/ TELEFAX: (617) 720-2441
;/ TELEX: EZEKIEL
;/ INFORMATION FOR SEQ ID NO: 33:
;/ SEQUENCE CHARACTERISTICS:
;/ LENGTH: 252 nucleotides
;/ TYPE: nucleic acid
;/ STRANDEDNESS: single
;/ TOPOLOGY: linear
;/ MOLECULE TYPE: DNA
;/ ORIGINAL SOURCE: (ATCC # 40394)
;/ INDIVIDUAL ISOLATE: hcv1
;/
;/ US-08-441-971-33

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||

Db 186 TTTCGGACCCCAACTACTC 167

RESULT 109
US-08-441-971-34/c
; Sequence 34, Application US/08441971
; Patent No. 6071693
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441,971
; FILING DATE: 16-May-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
;/ ATTORNEY/AGENT INFORMATION:
;/ NAME: Janiuk, Anthony J.
;/ REGISTRATION NUMBER: 29,809
;/ REFERENCE/DOCKET NUMBER: C0772/7000
;/ TELECOMMUNICATION INFORMATION:
;/ TELEPHONE: (617) 720-3500
;/ TELEFAX: (617) 720-2441
;/ TELEX: EZEKIEL
;/ INFORMATION FOR SEQ ID NO: 34:
;/ SEQUENCE CHARACTERISTICS:
;/ LENGTH: 252 nucleotides

```

Db      186  TTCGCGACCAACTACTC 167
|||||
RESULT 111
US-08-441-971-36/c
; Sequence 36, Application US/08441971
; Patent No. 6071693
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441.971
; FILING DATE: 16-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/221.653
; FILING DATE:
; APPLICATION NUMBER: US/07/881.528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: sp2
;
US-08-441-971-36
Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels

Qy      1  TTCGCGACCAACTACTC 20
|||||
Db      186  TTCGCGACCAACTACTC 167
|||||
RESULT 112
US-08-441-971-37/c
; Sequence 37, Application US/08441971
; Patent No. 6071693
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147

```

;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
;; STREET: 600 Atlantic Avenue
;; CITY: Boston
;; STATE: Massachusetts
;; COUNTRY: USA
;; ZIP: 02210
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Diskette, 5.25 inch
;; OPERATING SYSTEM: MS-DOS Version 3.3
;; SOFTWARE: WordPerfect 5.1
;; CURRENT APPLICATION DATA:
;; FILING DATE: 16-MAY-1995
;; CLASSIFICATION: 435
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US/08/221,653
;; FILING DATE:
;; APPLICATION NUMBER: US/07/881,528
;; FILING DATE:
;; APPLICATION NUMBER: 07/697,326
;; FILING DATE: 8 May 1991
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Janiuk, Anthony J.
;; REGISTRATION NUMBER: 29,809
;; REFERENCE/DOCKET NUMBER: C0772/7000
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (617) 720-3500
;; TELEX: EZEKIEL
;; INFORMATION FOR SEQ ID NO: 37:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 252 nucleotides
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: DNA
;; ORIGINAL SOURCE:
;; INDIVIDUAL ISOLATE: gm2
US-08-441-971-37

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20

DB 186 TTTCGGACCCCAACTACTC 167

RESULT 113
US-08-441-971-38/c
; Sequence 38, Application US/08441971
; Patent No. 6071693
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:

;; APPLICATION NUMBER: US/08/441,971
;; FILING DATE: 16-MAY-1995
;; CLASSIFICATION: 435
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US/08/221,653
;; FILING DATE:
;; APPLICATION NUMBER: US/07/881,528
;; FILING DATE:
;; APPLICATION NUMBER: 07/697,326
;; FILING DATE: 8 May 1991
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Janiuk, Anthony J.
;; REGISTRATION NUMBER: 29,809
;; REFERENCE/DOCKET NUMBER: C0772/7000
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (617) 720-3500
;; TELEX: EZEKIEL
;; INFORMATION FOR SEQ ID NO: 38:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 252 nucleotides
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: DNA
;; ORIGINAL SOURCE:
;; INDIVIDUAL ISOLATE: i21
US-08-441-971-38

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20

DB 186 TTTCGGACCCCAACTACTC 167

RESULT 114
US-08-441-971-39/c
; Sequence 39, Application US/08441971
; Patent No. 6071693
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441,971
; FILING DATE: 16-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809

```

; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: us4
; US-08-441-971-39
;
; Query Match 100.0%; Score 20; DB 3; Length 252;
; Best Local Similarity 100.0%; Pred. No. 0.0029;
; Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
; QY 1 TTGCGGACCCCAACTACTC 20
; Db 186 TTGCGGACCCCAACTACTC 167
;
; RESULT 115
; US-08-441-971-40/c
; Sequence 40, Application US/08441971
; Patent No. 6071693
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441,971
; FILING DATE: 16-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 40:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: nac5
; US-08-441-971-41
;
; Query Match 100.0%; Score 20; DB 3; Length 252;
; Best Local Similarity 100.0%; Pred. No. 0.0029;
; Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
; QY 1 TTGCGGACCCCAACTACTC 20
; Db 186 TTGCGGACCCCAACTACTC 167
;
; RESULT 117
; US-08-441-971-40
; INDIVIDUAL ISOLATE: jh1
;
; Query Match 100.0%; Score 20; DB 3; Length 252;
; Best Local Similarity 100.0%; Pred. No. 0.0029;
; Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
; QY 1 TTGCGGACCCCAACTACTC 20
; Db 186 TTGCGGACCCCAACTACTC 167
;
; RESULT 116
; US-08-441-971-41/c
; Sequence 41, Application US/08441971
; Patent No. 6071693
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441,971
; FILING DATE: 16-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 41:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: nac5
; US-08-441-971-41
;
; Query Match 100.0%; Score 20; DB 3; Length 252;
; Best Local Similarity 100.0%; Pred. No. 0.0029;
; Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
; QY 1 TTGCGGACCCCAACTACTC 20
; Db 186 TTGCGGACCCCAACTACTC 167
;
; RESULT 117

```


US-08-441-971-42/c
; Sequence 42, Application US/08441971
; Patent No. 6071693
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441,971
; FILING DATE: 16-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 42:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: arg2
US-08-441-971-42
Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 TTTCGGACCCCAACTACTC 20
Db 186 TTTCGGACCCCAACTACTC 167
RESULT 118
US-08-441-971-43/c
; Sequence 43, Application US/08441971
; Patent No. 6071693
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts

COUNTRY: USA
ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch
COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Version 3.3
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/441,971
FILING DATE: 16-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/221,653
FILING DATE:
APPLICATION NUMBER: US/07/881,528
FILING DATE:
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C0772/7000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO: 43:
SEQUENCE CHARACTERISTICS:
LENGTH: 252 nucleotides
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: spl
US-08-441-971-43
Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 TTTCGGACCCCAACTACTC 20
Db 186 TTTCGGACCCCAACTACTC 167
RESULT 119
US-08-441-971-44/c
; Sequence 44, Application US/08441971
; Patent No. 6071693
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441,971
; FILING DATE: 16-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGACCCCAACTACTC 20
|||||

Db 186 TTGCGACCCCAACTACTC 167

RESULT 122
US-08-441-971-49/c
; Sequence 49, Application US/08441971
; Patent No. 6071693
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210

COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441,971
; FILING DATE: 16-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 49:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: g161329

US-08-441-971-49
Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGACCCCAACTACTC 20
|||||

Db 186 TTGCGACCCCAACTACTC 167

RESULT 123
US-08-221-653-33/c
; Sequence 33, Application US/08221653
; Patent No. 6190864
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha

; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210

COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 33:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE: (ATCC # 40394)
; INDIVIDUAL ISOLATE: hcv1
US-08-221-653-33

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGACCCCAACTACTC 20
|||||

Db 186 TTGCGACCCCAACTACTC 167

RESULT 124
US-08-221-653-34/c
; Sequence 34, Application US/08221653
; Patent No. 6190864
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210

COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1

;/ CURRENT APPLICATION DATA:
;/ APPLICATION NUMBER: US/08/221,653
;/ FILING DATE:
;/ CLASSIFICATION: 435
;/ PRIOR APPLICATION DATA:
;/ APPLICATION NUMBER: US/07/881,528
;/ FILING DATE:
;/ APPLICATION NUMBER: 07/697,326
;/ FILING DATE: 8 May 1991
;/ ATTORNEY/AGENT INFORMATION:
;/ NAME: Janiuk, Anthony J.
;/ REGISTRATION NUMBER: 29,809
;/ REFERENCE/DOCKET NUMBER: C0772/7000
;/ TELECOMMUNICATION INFORMATION:
;/ TELEPHONE: (617) 720-3500
;/ TELEFAX: (617) 720-2441
;/ TELEX: EZEKIEL
;/ INFORMATION FOR SEQ ID NO: 34:
;/ SEQUENCE CHARACTERISTICS:
;/ LENGTH: 252 nucleotides
;/ TYPE: nucleic acid
;/ STRANDEDNESS: single
;/ TOPOLOGY: linear
;/ MOLECULE TYPE: DNA
;/ ORIGINAL SOURCE:
;/ INDIVIDUAL ISOLATE: us5
;/ US-08-221-653-34

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCGCGACCCCACTACTC 20
Db 186 TTCGCGACCCCACTACTC 167

RESULT 125
US-08-221-653-35/c
; Sequence 35, Application US/08221653
; Patent No. 6190864
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500

;/ TELEFAX: (617) 720-2441
;/ TELEX: EZEKIEL
;/ INFORMATION FOR SEQ ID NO: 35:
;/ SEQUENCE CHARACTERISTICS:
;/ LENGTH: 252 nucleotides
;/ TYPE: nucleic acid
;/ STRANDEDNESS: single
;/ TOPOLOGY: linear
;/ MOLECULE TYPE: DNA
;/ ORIGINAL SOURCE:
;/ INDIVIDUAL ISOLATE: aus1
;/ US-08-221-653-35

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCGCGACCCCACTACTC 20
Db 186 TTCGCGACCCCACTACTC 167

RESULT 126
US-08-221-653-36/c
; Sequence 36, Application US/08221653
; Patent No. 6190864
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
;/ INFORMATION FOR SEQ ID NO: 36:
;/ SEQUENCE CHARACTERISTICS:
;/ LENGTH: 252 nucleotides
;/ TYPE: nucleic acid
;/ STRANDEDNESS: single
;/ TOPOLOGY: linear
;/ MOLECULE TYPE: DNA
;/ ORIGINAL SOURCE:
;/ INDIVIDUAL ISOLATE: sp2
;/ US-08-221-653-36

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGGACCCAACTACTC 20
|||||
Db 186 TTGCGGACCCAACTACTC 167

RESULT 127

US-08-221-653-37/c
; Sequence 37, Application US/08221653
; Patent No. 6190864
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: gm2
US-08-221-653-37

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGGACCCAACTACTC 20
|||||
Db 186 TTGCGGACCCAACTACTC 167

RESULT 128

US-08-221-653-38/c
; Sequence 38, Application US/08221653
; Patent No. 6190864
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; DIAGNOSTICS AND THERAPEUTICS

; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: i21
US-08-221-653-38

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGGACCCAACTACTC 20
|||||
Db 186 TTGCGGACCCAACTACTC 167

RESULT 129

US-08-221-653-39/c
; Sequence 39, Application US/08221653
; Patent No. 6190864
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653

```
;/ FILING DATE:
;/ CLASSIFICATION: 435
;/ PRIOR APPLICATION DATA:
;/ APPLICATION NUMBER: US/07/881,528
;/ FILING DATE:
;/ APPLICATION NUMBER: 07/697,326
;/ FILING DATE: 8 May 1991
;/ ATTORNEY/AGENT INFORMATION:
;/ NAME: Janiuk, Anthony J.
;/ REGISTRATION NUMBER: 29,809
;/ REFERENCE/DOCKET NUMBER: C0772/7000
;/ TELECOMMUNICATION INFORMATION:
;/ TELEPHONE: (617) 720-3500
;/ TELEFAX: (617) 720-2441
;/ TELEX: EZEKIEL
;/ INFORMATION FOR SEQ ID NO: 39:
;/ Best Local Similarity 100.0%; Score 20; DB 3; Length 252;
;/ Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;/
;/ SEQUENCE CHARACTERISTICS:
;/ LENGTH: 252 nucleotides
;/ TYPE: nucleic acid
;/ STRANDEDNESS: single
;/ TOPOLOGY: linear
;/ MOLECULE TYPE: DNA
;/ ORIGINAL SOURCE:
;/ INDIVIDUAL ISOLATE: us4
;/
;/ US-08-221-653-39
;/
;/ Query Match 100.0%; Score 20; DB 3; Length 252;
;/ Best Local Similarity 100.0%; Pred. No. 0.0029;
;/ Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 TTTCGGACCCCAACTACTC 20
Db 186 TTTCGGACCCCAACTACTC 167
```

```
RESULT 130
US-08-221-653-40/c
;/ Sequence 40, Application US/08221653
;/ Patent No. 6190864
;/ GENERAL INFORMATION:
;/ APPLICANT: Tai-An Cha
;/ TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
;/ TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
;/ NUMBER OF SEQUENCES: 147
;/ CORRESPONDENCE ADDRESS:
;/ ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
;/ STREET: 600 Atlantic Avenue
;/ CITY: Boston
;/ STATE: Massachusetts
;/ COUNTRY: USA
;/ ZIP: 02210
;/ COMPUTER READABLE FORM:
;/ MEDIUM TYPE: Diskette, 5.25 inch
;/ COMPUTER: IBM compatible
;/ OPERATING SYSTEM: MS-DOS Version 3.3
;/ SOFTWARE: WordPerfect 5.1
;/ CURRENT APPLICATION DATA:
;/ APPLICATION NUMBER: US/08/221,653
;/ FILING DATE:
;/ CLASSIFICATION: 435
;/ PRIOR APPLICATION DATA:
;/ APPLICATION NUMBER: US/07/881,528
;/ FILING DATE:
;/ APPLICATION NUMBER: 07/697,326
;/ FILING DATE: 8 May 1991
;/ ATTORNEY/AGENT INFORMATION:
;/ NAME: Janiuk, Anthony J.
;/ REGISTRATION NUMBER: 29,809
;/ REFERENCE/DOCKET NUMBER: C0772/7000
;/ TELECOMMUNICATION INFORMATION:
;/ TELEPHONE: (617) 720-3500
;/ TELEFAX: (617) 720-2441
;/ TELEX: EZEKIEL
```

```
;/ INFORMATION FOR SEQ ID NO: 40:
;/ SEQUENCE CHARACTERISTICS:
;/ LENGTH: 252 nucleotides
;/ TYPE: nucleic acid
;/ STRANDEDNESS: single
;/ TOPOLOGY: linear
;/ MOLECULE TYPE: DNA
;/ ORIGINAL SOURCE:
;/ INDIVIDUAL ISOLATE: jh1
;/
;/ US-08-221-653-40
```

```
Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;/
;/ SEQUENCE CHARACTERISTICS:
;/ LENGTH: 252 nucleotides
;/ TYPE: nucleic acid
;/ STRANDEDNESS: single
;/ TOPOLOGY: linear
;/ MOLECULE TYPE: DNA
;/ ORIGINAL SOURCE:
;/ INDIVIDUAL ISOLATE: jh1
;/
;/ US-08-221-653-40
```

```
QY 1 TTTCGGACCCCAACTACTC 20
Db 186 TTTCGGACCCCAACTACTC 167
```

```
RESULT 131
US-08-221-653-41/c
;/ Sequence 41, Application US/08221653
;/ Patent No. 6190864
;/ GENERAL INFORMATION:
;/ APPLICANT: Tai-An Cha
;/ TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
;/ TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
;/ NUMBER OF SEQUENCES: 147
;/ CORRESPONDENCE ADDRESS:
;/ ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
;/ STREET: 600 Atlantic Avenue
;/ CITY: Boston
;/ STATE: Massachusetts
;/ COUNTRY: USA
;/ ZIP: 02210
;/ COMPUTER READABLE FORM:
;/ MEDIUM TYPE: Diskette, 5.25 inch
;/ COMPUTER: IBM compatible
;/ OPERATING SYSTEM: MS-DOS Version 3.3
;/ SOFTWARE: WordPerfect 5.1
;/ CURRENT APPLICATION DATA:
;/ APPLICATION NUMBER: US/08/221,653
;/ FILING DATE:
;/ CLASSIFICATION: 435
;/ PRIOR APPLICATION DATA:
;/ APPLICATION NUMBER: US/07/881,528
;/ FILING DATE:
;/ APPLICATION NUMBER: 07/697,326
;/ FILING DATE: 8 May 1991
;/ ATTORNEY/AGENT INFORMATION:
;/ NAME: Janiuk, Anthony J.
;/ REGISTRATION NUMBER: 29,809
;/ REFERENCE/DOCKET NUMBER: C0772/7000
;/ TELECOMMUNICATION INFORMATION:
;/ TELEPHONE: (617) 720-3500
;/ TELEFAX: (617) 720-2441
;/ TELEX: EZEKIEL
;/ INFORMATION FOR SEQ ID NO: 41:
;/ SEQUENCE CHARACTERISTICS:
;/ LENGTH: 252 nucleotides
;/ TYPE: nucleic acid
;/ STRANDEDNESS: single
;/ TOPOLOGY: linear
;/ MOLECULE TYPE: DNA
;/ ORIGINAL SOURCE:
;/ INDIVIDUAL ISOLATE: nac5
;/
;/ US-08-221-653-41
```

```
Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

Qy 1 TTGCGGACCCCAACTACTC 20
|||||
Db 186 TTGCGGACCCCAACTACTC 167

RESULT 132

US-08-221-653-42/c
; Sequence 42, Application US/08221653
; Patent No. 6190864
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 42:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: arg2
US-08-221-653-42

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGGACCCCAACTACTC 20
|||||
Db 186 TTGCGGACCCCAACTACTC 167

RESULT 133

US-08-221-653-43/c
; Sequence 43, Application US/08221653
; Patent No. 6190864
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 43:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: sp1
US-08-221-653-43

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGGACCCCAACTACTC 20
|||||
Db 186 TTGCGGACCCCAACTACTC 167

RESULT 134

US-08-221-653-44/c
; Sequence 44, Application US/08221653
; Patent No. 6190864
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; CLASSIFICATION: 435

;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US/07/881,528
;; FILING DATE: 07/697,326
;; APPLICATION NUMBER: 07/697,326
;; FILING DATE: 8 May 1991
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Janiuk, Anthony J.
;; REGISTRATION NUMBER: 29,809
;; REFERENCE/DOCKET NUMBER: C0772/7000
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (617) 720-3500
;; TELEFAX: (617) 720-2441
;; TELEX: EZEKIEL
;; INFORMATION FOR SEQ ID NO: 44:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 252 nucleotides
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: DNA
;; ORIGINAL SOURCE:
;; INDIVIDUAL ISOLATE: ghl
US-08-221-653-44

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
DB 186 TTTCGGACCCCAACTACTC 167

RESULT 135
US-08-221-653-45/c
; Sequence 45, Application US/08221653
; Patent No. 6190864
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; STREET: Wolf, Greenfield & Sacks, P.C.
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 45:
; SEQUENCE CHARACTERISTICS:

;; LENGTH: 252 nucleotides
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: DNA
;; ORIGINAL SOURCE:
;; INDIVIDUAL ISOLATE: i15
US-08-221-653-45

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
DB 186 TTTCGGACCCCAACTACTC 167

RESULT 136
US-08-221-653-48/c
; Sequence 48, Application US/08221653
; Patent No. 6190864
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; STREET: Wolf, Greenfield & Sacks, P.C.
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 48:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: s21
US-08-221-653-48

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
DB 186 TTTCGGACCCCAACTACTC 167

Db 186 TTCGCGACCAACTACTC 167

RESULT 137

US-08-221-653-49/c
; Sequence 49, Application US/08221653
; Patent No. 6190864
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; ; DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 49:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: g161329
; US-08-221-653-49

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCAACTACTC 20
Db 186 TTCGCGACCAACTACTC 167

RESULT 138

US-08-442-144A-33/c
; Sequence 33, Application US/08442144A
; Patent No. 6214583
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; APPLICANT: Eileen Beall
; APPLICANT: Bruce Irvine
; APPLICANT: Janice Kolberg
; APPLICANT: Michael S. Urdea
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; ; DIAGNOSTICS AND THERAPEUTICS

; NUMBER OF SEQUENCES: 148
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: California
; COUNTRY: USA
; ZIP: 94608-2916
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 Inch
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows NT
; SOFTWARE: Microsoft Word 97
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/442,144A
; FILING DATE: MAY 16, 1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/221,653
; FILING DATE: APRIL 1, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Doreen Yanko Trujillo
; REGISTRATION NUMBER: 35,719
; REFERENCE/DOCKET NUMBER: CHIR-0121
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-568-3100
; TELEFAX: 215-568-3439
; TELEX:
; INFORMATION FOR SEQ ID NO: 33:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 Nucleotides
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: hcv1 (ATCC# 40394)
; US-08-442-144A-33

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCAACTACTC 20
Db 186 TTCGCGACCAACTACTC 167

RESULT 139

US-08-442-144A-34/c
; Sequence 34, Application US/08442144A
; Patent No. 6214583
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; APPLICANT: Eileen Beall
; APPLICANT: Bruce Irvine
; APPLICANT: Janice Kolberg
; APPLICANT: Michael S. Urdea
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; ; DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 148
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: California
; COUNTRY: USA
; ZIP: 94608-2916
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 Inch
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows NT
; SOFTWARE: Microsoft Word 97

```
/
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/442,144A
/ FILING DATE: MAY 16, 1995
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/221,653
/ FILING DATE: APRIL 1, 1994
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Doreen Yanko Trujillo
/ REGISTRATION NUMBER: 35,719
/ REFERENCE/DOCKET NUMBER: CHIR-0121
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 215-568-3100
/ TELEFAX: 215-568-3439
/ TELEX:
/ INFORMATION FOR SEQ ID NO: 34:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 252 Nucleotides
/ TYPE: Nucleic Acid
/ STRANDEDNESS: Single
/ TOPOLOGY: Linear
/ MOLECULE TYPE: DNA
/ ORIGINAL SOURCE:
/ INDIVIDUAL ISOLATE: us5
/ US-08-442-144A-34
/
/ Query Match 100.0%; Score 20; DB 3; Length 252;
/ Best Local Similarity 100.0%; Pred. No. 0.0029;
/ Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
/
/ QY 1 TTTCGGACCCCACTACTC 20
/ Db 186 TTTCGGACCCCACTACTC 167
/
/ RESULT 140
/ US-08-442-144A-35/c
/ Sequence 35, Application US/08442144A
/ Patent No. 6214583
/ GENERAL INFORMATION:
/ APPLICANT: Tai-An Cha
/ APPLICANT: Eileen Beall
/ APPLICANT: Bruce Irvine
/ APPLICANT: Janice Kolberg
/ APPLICANT: Michael S. Urdea
/ TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
/ TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
/ NUMBER OF SEQUENCES: 148
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Chiron Corporation
/ STREET: 4560 Horton Street
/ CITY: Emeryville
/ STATE: California
/ COUNTRY: USA
/ ZIP: 94608-2916
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette, 3.5 Inch
/ COMPUTER: IBM Compatible
/ OPERATING SYSTEM: Windows NT
/ SOFTWARE: Microsoft Word 97
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/442,144A
/ FILING DATE: MAY 16, 1995
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/221,653
/ FILING DATE: APRIL 1, 1994
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Doreen Yanko Trujillo
/ REGISTRATION NUMBER: 35,719
/ REFERENCE/DOCKET NUMBER: CHIR-0121
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 215-568-3100
/ TELEFAX: 215-568-3439
/ TELEX:
/ INFORMATION FOR SEQ ID NO: 36:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 252 Nucleotides
/ TYPE: Nucleic Acid
/ STRANDEDNESS: Single
/ TOPOLOGY: Linear
/ MOLECULE TYPE: DNA
/ ORIGINAL SOURCE:
/ INDIVIDUAL ISOLATE: sp2
/ US-08-442-144A-36
/
```

```
/
/ TELEFAX: 215-568-3439
/ TELEX:
/ INFORMATION FOR SEQ ID NO: 35:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 252 Nucleotides
/ TYPE: Nucleic Acid
/ STRANDEDNESS: Single
/ TOPOLOGY: Linear
/ MOLECULE TYPE: DNA
/ ORIGINAL SOURCE:
/ INDIVIDUAL ISOLATE: aus1
/ US-08-442-144A-35
/
/ Query Match 100.0%; Score 20; DB 3; Length 252;
/ Best Local Similarity 100.0%; Pred. No. 0.0029;
/ Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
/
/ QY 1 TTTCGGACCCCACTACTC 20
/ Db 186 TTTCGGACCCCACTACTC 167
/
/ RESULT 141
/ US-08-442-144A-36/c
/ Sequence 36, Application US/08442144A
/ Patent No. 6214583
/ GENERAL INFORMATION:
/ APPLICANT: Tai-An Cha
/ APPLICANT: Eileen Beall
/ APPLICANT: Bruce Irvine
/ APPLICANT: Janice Kolberg
/ APPLICANT: Michael S. Urdea
/ TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
/ TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
/ NUMBER OF SEQUENCES: 148
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Chiron Corporation
/ STREET: 4560 Horton Street
/ CITY: Emeryville
/ STATE: California
/ COUNTRY: USA
/ ZIP: 94608-2916
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette, 3.5 Inch
/ COMPUTER: IBM Compatible
/ OPERATING SYSTEM: Windows NT
/ SOFTWARE: Microsoft Word 97
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/442,144A
/ FILING DATE: MAY 16, 1995
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/221,653
/ FILING DATE: APRIL 1, 1994
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Doreen Yanko Trujillo
/ REGISTRATION NUMBER: 35,719
/ REFERENCE/DOCKET NUMBER: CHIR-0121
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 215-568-3100
/ TELEFAX: 215-568-3439
/ TELEX:
/ INFORMATION FOR SEQ ID NO: 36:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 252 Nucleotides
/ TYPE: Nucleic Acid
/ STRANDEDNESS: Single
/ TOPOLOGY: Linear
/ MOLECULE TYPE: DNA
/ ORIGINAL SOURCE:
/ INDIVIDUAL ISOLATE: sp2
/ US-08-442-144A-36
/
```

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCACTACTC 20
Db 186 TTTCGGACCCCACTACTC 167

RESULT 142

US-08-442-144A-37/c
; Sequence 37, Application US/08442144A
; Patent No. 6214583
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; APPLICANT: Eileen Beall
; APPLICANT: Bruce Irvine
; APPLICANT: Janice Kolberg
; APPLICANT: Michael S. Urdea
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 148
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: California
; COUNTRY: USA
; ZIP: 94608-2916

COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 Inch
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows NT
; SOFTWARE: Microsoft Word 97
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/442,144A
; FILING DATE: MAY 16, 1995
; CLASSIFICATION: 435
; PRIOR APPLICATION NUMBER: 08/221,653
; FILING DATE: APRIL 1, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Doreen Yanko Trujillo
; REGISTRATION NUMBER: 35,719
; REFERENCE/DOCKET NUMBER: CHIR-0121
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-568-3100
; TELEFAX: 215-568-3439
; TELEX:

; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 Nucleotides
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: gm2
US-08-442-144A-37

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCACTACTC 20
Db 186 TTTCGGACCCCACTACTC 167

RESULT 143

US-08-442-144A-38/c
; Sequence 38, Application US/08442144A
; Patent No. 6214583

; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; APPLICANT: Eileen Beall
; APPLICANT: Bruce Irvine
; APPLICANT: Janice Kolberg
; APPLICANT: Michael S. Urdea
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 148
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: California
; COUNTRY: USA
; ZIP: 94608-2916

COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 Inch
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows NT
; SOFTWARE: Microsoft Word 97
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/442,144A
; FILING DATE: MAY 16, 1995
; CLASSIFICATION: 435
; PRIOR APPLICATION NUMBER: 08/221,653
; FILING DATE: APRIL 1, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Doreen Yanko Trujillo
; REGISTRATION NUMBER: 35,719
; REFERENCE/DOCKET NUMBER: CHIR-0121
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-568-3100
; TELEFAX: 215-568-3439
; TELEX:

; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 Nucleotides
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: i21
US-08-442-144A-38

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCACTACTC 20
Db 186 TTTCGGACCCCACTACTC 167

RESULT 144

US-08-442-144A-39/c
; Sequence 39, Application US/08442144A
; Patent No. 6214583
; GENERAL INFORMATION:

; APPLICANT: Tai-An Cha
; APPLICANT: Eileen Beall
; APPLICANT: Bruce Irvine
; APPLICANT: Janice Kolberg
; APPLICANT: Michael S. Urdea
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 148
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville

```
/ STATE: California
/ COUNTRY: USA
/ ZIP: 94608-2916
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette, 3.5 Inch
/ OPERATING SYSTEM: Windows NT
/ SOFTWARE: Microsoft Word 97
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/442,144A
/ FILING DATE: MAY 16, 1995
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/221,653
/ FILING DATE: APRIL 1, 1994
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Doreen Yanko Trujillo
/ REGISTRATION NUMBER: 35,719
/ REFERENCE/DOCKET NUMBER: CHIR-0121
/ TELEPHONE: 215-568-3100
/ TELEFAX: 215-568-3439
/ TELEX:
/ INFORMATION FOR SEQ ID NO: 39:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 252 Nucleotides
/ TYPE: Nucleic Acid
/ STRANDEDNESS: Single
/ TOPOLOGY: Linear
/ MOLECULE TYPE: DNA
/ ORIGINAL SOURCE:
/ INDIVIDUAL ISOLATE: us4
/ US-08-442-144A-39

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 186 TTTCGGACCCCAACTACTC 167

RESULT 145
US-08-442-144A-40/c
; Sequence 40, Application US/08442144A
; Patent No. 6214583
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; APPLICANT: Eileen Beall
; APPLICANT: Bruce Irvine
; APPLICANT: Janice Kolberg
; APPLICANT: Michael S. Urdea
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; NUMBER OF SEQUENCES: 148
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: California
; COUNTRY: USA
; ZIP: 94608-2916
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 Inch
; OPERATING SYSTEM: Windows NT
; SOFTWARE: Microsoft Word 97
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/442,144A
; FILING DATE: MAY 16, 1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/221,653
; FILING DATE: APRIL 1, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Doreen Yanko Trujillo
; REGISTRATION NUMBER: 35,719
; REFERENCE/DOCKET NUMBER: CHIR-0121
; TELEPHONE: 215-568-3100
; TELEFAX: 215-568-3439
; TELEX:
; INFORMATION FOR SEQ ID NO: 41:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 Nucleotides
```

```
/ APPLICATION NUMBER: 08/221,653
/ FILING DATE: APRIL 1, 1994
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Doreen Yanko Trujillo
/ REGISTRATION NUMBER: 35,719
/ REFERENCE/DOCKET NUMBER: CHIR-0121
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 215-568-3100
/ TELEFAX: 215-568-3439
/ TELEX:
/ INFORMATION FOR SEQ ID NO: 40:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 252 Nucleotides
/ TYPE: Nucleic Acid
/ STRANDEDNESS: Single
/ TOPOLOGY: Linear
/ MOLECULE TYPE: DNA
/ ORIGINAL SOURCE:
/ INDIVIDUAL ISOLATE: jhl
/ US-08-442-144A-40

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 186 TTTCGGACCCCAACTACTC 167

RESULT 146
US-08-442-144A-41/c
; Sequence 41, Application US/08442144A
; Patent No. 6214583
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; APPLICANT: Eileen Beall
; APPLICANT: Bruce Irvine
; APPLICANT: Janice Kolberg
; APPLICANT: Michael S. Urdea
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; NUMBER OF SEQUENCES: 148
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: California
; COUNTRY: USA
; ZIP: 94608-2916
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 Inch
; OPERATING SYSTEM: Windows NT
; SOFTWARE: Microsoft Word 97
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/442,144A
; FILING DATE: MAY 16, 1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/221,653
; FILING DATE: APRIL 1, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Doreen Yanko Trujillo
; REGISTRATION NUMBER: 35,719
; REFERENCE/DOCKET NUMBER: CHIR-0121
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-568-3100
; TELEFAX: 215-568-3439
; TELEX:
; INFORMATION FOR SEQ ID NO: 41:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 Nucleotides
```

;
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE: nac5
; INDIVIDUAL ISOLATE: nac5
US-08-442-144A-41

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||
Db 186 TTTCGGACCCCAACTACTC 167

RESULT 147
US-08-442-144A-42/c
; Sequence 42, Application US/08442144A
; Patent No. 6214583
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; APPLICANT: Eileen Beall
; APPLICANT: Bruce Irvine
; APPLICANT: Janice Kolberg
; APPLICANT: Michael S. Urdea
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; NUMBER OF SEQUENCES: 148
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: California
; COUNTRY: USA
; ZIP: 94608-2916
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 Inch
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows NT
; SOFTWARE: Microsoft Word 97
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/442,144A
; FILING DATE: MAY 16, 1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/221,653
; FILING DATE: APRIL 1, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Doreen Yanko Trujillo
; REGISTRATION NUMBER: 35,719
; REFERENCE/DOCKET NUMBER: CHIR-0121
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-568-3100
; TELEFAX: 215-568-3439
; TELEX:
; INFORMATION FOR SEQ ID NO: 42:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 Nucleotides
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: arg2
US-08-442-144A-42

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20

Db 186 TTTCGGACCCCAACTACTC 167
|||||

RESULT 148
US-08-442-144A-43/c
; Sequence 43, Application US/08442144A
; Patent No. 6214583
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; APPLICANT: Eileen Beall
; APPLICANT: Bruce Irvine
; APPLICANT: Janice Kolberg
; APPLICANT: Michael S. Urdea
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; NUMBER OF SEQUENCES: 148
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: California
; COUNTRY: USA
; ZIP: 94608-2916
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 Inch
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows NT
; SOFTWARE: Microsoft Word 97
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/442,144A
; FILING DATE: MAY 16, 1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/221,653
; FILING DATE: APRIL 1, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Doreen Yanko Trujillo
; REGISTRATION NUMBER: 35,719
; REFERENCE/DOCKET NUMBER: CHIR-0121
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-568-3100
; TELEFAX: 215-568-3439
; TELEX:
; INFORMATION FOR SEQ ID NO: 43:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 Nucleotides
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: spl
US-08-442-144A-43

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||
Db 186 TTTCGGACCCCAACTACTC 167

RESULT 149
US-08-442-144A-44/c
; Sequence 44, Application US/08442144A
; Patent No. 6214583
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; APPLICANT: Eileen Beall
; APPLICANT: Bruce Irvine
; APPLICANT: Janice Kolberg

```

; APPLICANT: Michael S. Urdea
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 148
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: California
; COUNTRY: USA
; ZIP: 94608-2916
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 Inch
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows NT
; SOFTWARE: Microsoft Word 97
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/442,144A
; FILING DATE: MAY 16, 1995
; CLASSIFICATION: 435
; PRIOR APPLICATION NUMBER: 08/221,653
; FILING DATE: APRIL 1, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Doreen Yatko Trujillo
; REGISTRATION NUMBER: 35,719
; REFERENCE/DOCKET NUMBER: CHIR-0121
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-568-3100
; TELEFAX: 215-568-3439
; TELEX:
; INFORMATION FOR SEQ ID NO: 44:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 Nucleotides
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: gh1
; US-08-442-144A-44

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGACCCCAACTACTC 20
Db 186 TTGCGACCCCAACTACTC 167

RESULT 150
US-08-442-144A-45/c
; Sequence 45, Application US/08442144A
; Patent No. 6214583
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; APPLICANT: Eileen Beall
; APPLICANT: Bruce Irvine
; APPLICANT: Janice Kolberg
; APPLICANT: Michael S. Urdea
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 148
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: California
; COUNTRY: USA
; ZIP: 94608-2916
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 Inch
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows NT
; SOFTWARE: Microsoft Word 97
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/442,144A
; FILING DATE: MAY 16, 1995
; CLASSIFICATION: 435
; PRIOR APPLICATION NUMBER: 08/221,653
; FILING DATE: APRIL 1, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Doreen Yatko Trujillo
; REGISTRATION NUMBER: 35,719
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 Inch
```

```

; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows NT
; SOFTWARE: Microsoft Word 97
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/442,144A
; FILING DATE: MAY 16, 1995
; CLASSIFICATION: 435
; PRIOR APPLICATION NUMBER: 08/221,653
; FILING DATE: APRIL 1, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Doreen Yatko Trujillo
; REGISTRATION NUMBER: 35,719
; REFERENCE/DOCKET NUMBER: CHIR-0121
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-568-3100
; TELEFAX: 215-568-3439
; TELEX:
; INFORMATION FOR SEQ ID NO: 45:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 Nucleotides
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: il5
; US-08-442-144A-45

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGACCCCAACTACTC 20
Db 186 TTGCGACCCCAACTACTC 167

RESULT 151
US-08-442-144A-48/c
; Sequence 48, Application US/08442144A
; Patent No. 6214583
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; APPLICANT: Eileen Beall
; APPLICANT: Bruce Irvine
; APPLICANT: Janice Kolberg
; APPLICANT: Michael S. Urdea
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 148
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: California
; COUNTRY: USA
; ZIP: 94608-2916
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 Inch
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows NT
; SOFTWARE: Microsoft Word 97
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/442,144A
; FILING DATE: MAY 16, 1995
; CLASSIFICATION: 435
; PRIOR APPLICATION NUMBER: 08/221,653
; FILING DATE: APRIL 1, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Doreen Yatko Trujillo
; REGISTRATION NUMBER: 35,719
```

REFERENCE/DOCKET NUMBER: CHIR-0121
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
TELEFAX: 215-568-3439
TELEX:
INFORMATION FOR SEQ ID NO: 48:
SEQUENCE CHARACTERISTICS:
LENGTH: 252 Nucleotides
TYPE: Nucleic Acid
STRANDEDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: DNA
ORIGINAL SOURCE: s21
INDIVIDUAL ISOLATE: s21
US-08-442-144A-48

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGGACCCCAACTACTC 20
|||||
Db 186 TTGCGGACCCCAACTACTC 167

RESULT 152
US-08-442-144A-49/c
Sequence 49, Application US/08442144A
Patent No. 6214583
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
APPLICANT: Eileen Beall
APPLICANT: Bruce Irvine
APPLICANT: Janice Kolberg
APPLICANT: Michael S. Urdea
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 148
CORRESPONDENCE ADDRESS:
ADDRESSEE: Chiron Corporation
STREET: 4560 Horton Street
CITY: Emeryville
STATE: California
COUNTRY: USA
ZIP: 94608-2916
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 Inch
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows NT
SOFTWARE: Microsoft Word 97
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/442,144A
FILING DATE: MAY 16, 1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/221,653
FILING DATE: APRIL 1, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Doreen Yanko Trujillo
REGISTRATION NUMBER: 35,719
REFERENCE/DOCKET NUMBER: CHIR-0121
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
TELEFAX: 215-568-3439
TELEX:
INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:
LENGTH: 252 Nucleotides
TYPE: Nucleic Acid
STRANDEDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: DNA
ORIGINAL SOURCE:

INDIVIDUAL ISOLATE: g361329
US-08-442-144A-49

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGGACCCCAACTACTC 20
|||||
Db 186 TTGCGGACCCCAACTACTC 167

RESULT 153
US-08-441-970-33/c
Sequence 33, Application US/08441970
Patent No. 6297370
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
STREET: 600 Atlantic Avenue
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch
COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Version 3.3
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/441,970
FILING DATE: 16-MAY-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/881,528
FILING DATE: 08-MAY-1992
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C0772/7000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO: 33:
SEQUENCE CHARACTERISTICS:
LENGTH: 252 nucleotides
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
ORIGINAL SOURCE: (ATCC # 40394)
INDIVIDUAL ISOLATE: hcv1
US-08-441-970-33

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGGACCCCAACTACTC 20
|||||
Db 186 TTGCGGACCCCAACTACTC 167

RESULT 154
US-08-441-970-34/c
Sequence 34, Application US/08441970

```

; Patent No. 6297370
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441,970
; FILING DATE: 16-MAY-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/881,528
; FILING DATE: 08-MAY-1992
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TLEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 34:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: us5
; US-08-441-970-34

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 186 TTTCGGACCCCAACTACTC 167

RESULT 155
US-08-441-970-35/c
; Sequence 35, Application US/08441970
; Patent No. 6297370
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441,970
; FILING DATE: 16-MAY-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/881,528
; FILING DATE: 08-MAY-1992
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441,970
; FILING DATE: 16-MAY-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/881,528
; FILING DATE: 08-MAY-1992
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809

```

```

; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441,970
; FILING DATE: 16-MAY-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/881,528
; FILING DATE: 08-MAY-1992
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TLEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 35:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: aus1
; US-08-441-970-35

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 186 TTTCGGACCCCAACTACTC 167

RESULT 156
US-08-441-970-36/c
; Sequence 36, Application US/08441970
; Patent No. 6297370
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441,970
; FILING DATE: 16-MAY-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/881,528
; FILING DATE: 08-MAY-1992
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809

```


REFERENCE/DOCKET NUMBER: C0772/7000
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO: 36:
SEQUENCE CHARACTERISTICS:
LENGTH: 252 nucleotides
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
ORIGINAL SOURCE: sp2
INDIVIDUAL ISOLATE: sp2
US-08-441-970-36

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||
DB 186 TTTCGGACCCCAACTACTC 167

RESULT 157
US-08-441-970-37/c
Sequence 37, Application US/08441970
Patent No. 6297370
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
STREET: 600 Atlantic Avenue
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02210

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch
COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Version 3.3
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/441,970
FILING DATE: 16-MAY-1995
CLASSIFICATION: 536
PRIOR APPLICATION NUMBER: 07/881,528
FILING DATE: 08-MAY-1992
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C0772/7000
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
TELEX: EZEKIEL

INFORMATION FOR SEQ ID NO: 37:
SEQUENCE CHARACTERISTICS:
LENGTH: 252 nucleotides
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
ORIGINAL SOURCE: gm2
INDIVIDUAL ISOLATE: gm2
US-08-441-970-37

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||
DB 186 TTTCGGACCCCAACTACTC 167

RESULT 158
US-08-441-970-38/c
Sequence 38, Application US/08441970
Patent No. 6297370
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
STREET: 600 Atlantic Avenue
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch
COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Version 3.3
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/441,970
FILING DATE: 16-MAY-1995
CLASSIFICATION: 536
PRIOR APPLICATION NUMBER: 07/881,528
FILING DATE: 08-MAY-1992
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C0772/7000
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO: 38:
SEQUENCE CHARACTERISTICS:
LENGTH: 252 nucleotides
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
ORIGINAL SOURCE: i21
INDIVIDUAL ISOLATE: i21
US-08-441-970-38

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||
DB 186 TTTCGGACCCCAACTACTC 167

RESULT 159
US-08-441-970-39/c
Sequence 39, Application US/08441970
Patent No. 6297370
GENERAL INFORMATION:

APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
STREET: 600 Atlantic Avenue
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch
COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Version 3.3
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/441,970
FILING DATE: 16-MAY-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/881,528
FILING DATE: 08-MAY-1992
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C0772/7000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO: 39:
SEQUENCE CHARACTERISTICS:
LENGTH: 252 nucleotides
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
ORIGINAL SOURCE: us4
INDIVIDUAL ISOLATE: us4
US-08-441-970-39

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
|||||
Db 186 TTTCGGACCCCACTACTC 167

RESULT 160
US-08-441-970-40/c
Sequence 40, Application US/08441970
Patent No. 6297370
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
STREET: 600 Atlantic Avenue
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch
COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Version 3.3

SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/441,970
FILING DATE: 16-MAY-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/881,528
FILING DATE: 08-MAY-1992
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C0772/7000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
LENGTH: 252 nucleotides
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
ORIGINAL SOURCE: jh1
INDIVIDUAL ISOLATE: jh1
US-08-441-970-40

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
|||||
Db 186 TTTCGGACCCCACTACTC 167

RESULT 161
US-08-441-970-41/c
Sequence 41, Application US/08441970
Patent No. 6297370
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
STREET: 600 Atlantic Avenue
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch
COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Version 3.3
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/441,970
FILING DATE: 16-MAY-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/881,528
FILING DATE: 08-MAY-1992
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C0772/7000
TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
EZEKIEL
INFORMATION FOR SEQ ID NO: 41:
SEQUENCE CHARACTERISTICS:
LENGTH: 252 nucleotides
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
ORIGINAL SOURCE: nac5
INDIVIDUAL ISOLATE: nac5
US-08-441-970-41

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||
DB 186 TTTCGGACCCCAACTACTC 167

RESULT 162
US-08-441-970-42/c
Sequence 42, Application US/08441970
Patent No. 6297370
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
STREET: 600 Atlantic Avenue
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02210

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch
COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Version 3.3
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/441,970
FILING DATE: 16-MAY-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/881,528
FILING DATE: 08-MAY-1992
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C0772/7000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
EZEKIEL
INFORMATION FOR SEQ ID NO: 42:
SEQUENCE CHARACTERISTICS:
LENGTH: 252 nucleotides
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
ORIGINAL SOURCE: arg2
INDIVIDUAL ISOLATE: arg2
US-08-441-970-42

Query Match 100.0%; Score 20; DB 3; Length 252;

Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 TTTCGGACCCCAACTACTC 20
|||||
DB 186 TTTCGGACCCCAACTACTC 167

RESULT 163
US-08-441-970-43/c
Sequence 43, Application US/08441970
Patent No. 6297370
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
STREET: 600 Atlantic Avenue
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02210

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch
COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Version 3.3
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/441,970
FILING DATE: 16-MAY-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/881,528
FILING DATE: 08-MAY-1992
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C0772/7000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
EZEKIEL
INFORMATION FOR SEQ ID NO: 43:
SEQUENCE CHARACTERISTICS:
LENGTH: 252 nucleotides
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
ORIGINAL SOURCE: sp1
INDIVIDUAL ISOLATE: sp1
US-08-441-970-43

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||
DB 186 TTTCGGACCCCAACTACTC 167

RESULT 164
US-08-441-970-44/c
Sequence 44, Application US/08441970
Patent No. 6297370
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR

;; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
;; NUMBER OF SEQUENCES: 147
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
;; STREET: 600 Atlantic Avenue
;; CITY: Boston
;; STATE: Massachusetts
;; COUNTRY: USA
;; ZIP: 02210
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Diskette, 5.25 inch
;; COMPUTER: IBM compatible
;; OPERATING SYSTEM: MS-DOS Version 3.3
;; SOFTWARE: WordPerfect 5.1
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/441,970
;; FILING DATE: 16-MAY-1995
;; CLASSIFICATION: 536
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 07/881,528
;; FILING DATE: 08-MAY-1992
;; APPLICATION NUMBER: 07/697,326
;; FILING DATE: 8 May 1991
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Janiuk, Anthony J.
;; REGISTRATION NUMBER: 29,809
;; REFERENCE/DOCKET NUMBER: C0772/7000
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (617) 720-3500
;; TELEFAX: (617) 720-2441
;;
;; INFORMATION FOR SEQ ID NO: 44:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 252 nucleotides
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: DNA
;; ORIGINAL SOURCE:
;; INDIVIDUAL ISOLATE: gh1
US-08-441-970-44

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGACCCCACTACTC 20
Db 186 TTGCGACCCCACTACTC 167

RESULT 165
US-08-441-970-45/c
;; Sequence 45, Application US/08441970
;; Patent No. 6297370
;; GENERAL INFORMATION:
;; APPLICANT: Tai-An Cha
;; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
;; DIAGNOSTICS AND THERAPEUTICS
;; NUMBER OF SEQUENCES: 147
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
;; STREET: 600 Atlantic Avenue
;; CITY: Boston
;; STATE: Massachusetts
;; COUNTRY: USA
;; ZIP: 02210
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Diskette, 5.25 inch
;; COMPUTER: IBM compatible
;; OPERATING SYSTEM: MS-DOS Version 3.3
;; SOFTWARE: WordPerfect 5.1
;; CURRENT APPLICATION DATA:

;; APPLICATION NUMBER: US/08/441,970
;; FILING DATE: 16-MAY-1995
;; CLASSIFICATION: 536
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 07/881,528
;; FILING DATE: 08-MAY-1992
;; APPLICATION NUMBER: 07/697,326
;; FILING DATE: 8 May 1991
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Janiuk, Anthony J.
;; REGISTRATION NUMBER: 29,809
;; REFERENCE/DOCKET NUMBER: C0772/7000
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (617) 720-3500
;; TELEFAX: (617) 720-2441
;;
;; INFORMATION FOR SEQ ID NO: 45:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 252 nucleotides
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: DNA
;; ORIGINAL SOURCE:
;; INDIVIDUAL ISOLATE: i15
US-08-441-970-45

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGACCCCACTACTC 20
Db 186 TTGCGACCCCACTACTC 167

RESULT 166
US-08-441-970-48/c
;; Sequence 48, Application US/08441970
;; Patent No. 6297370
;; GENERAL INFORMATION:
;; APPLICANT: Tai-An Cha
;; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
;; DIAGNOSTICS AND THERAPEUTICS
;; NUMBER OF SEQUENCES: 147
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
;; STREET: 600 Atlantic Avenue
;; CITY: Boston
;; STATE: Massachusetts
;; COUNTRY: USA
;; ZIP: 02210
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Diskette, 5.25 inch
;; COMPUTER: IBM compatible
;; OPERATING SYSTEM: MS-DOS Version 3.3
;; SOFTWARE: WordPerfect 5.1
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/441,970
;; FILING DATE: 16-MAY-1995
;; CLASSIFICATION: 536
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 07/881,528
;; FILING DATE: 08-MAY-1992
;; APPLICATION NUMBER: 07/697,326
;; FILING DATE: 8 May 1991
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Janiuk, Anthony J.
;; REGISTRATION NUMBER: 29,809
;; REFERENCE/DOCKET NUMBER: C0772/7000
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (617) 720-3500
;; TELEFAX: (617) 720-2441

TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO: 48:
SEQUENCE CHARACTERISTICS:
LENGTH: 252 nucleotides
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
ORIGINAL SOURCE: s21
INDIVIDUAL ISOLATE: s21
US-08-441-970-48

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGGACCCCAACTACTC 20
Db 186 TTGCGGACCCCAACTACTC 167

RESULT 167
US-08-441-970-49/c
Sequence 49, Application US/08441970
Patent No. 6297370
GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
STREET: 600 Atlantic Avenue
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02210

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch
COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Version 3.3
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/441,970
FILING DATE: 16-MAY-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/881,528
FILING DATE: 08-MAY-1992
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C0772/7000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441

TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:
LENGTH: 252 nucleotides
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
ORIGINAL SOURCE: g161329
INDIVIDUAL ISOLATE: g161329
US-08-441-970-49

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGGACCCCAACTACTC 20
Db 186 TTGCGGACCCCAACTACTC 167

RESULT 168
US-08-483-695-1/c
Sequence 1, Application US/08483695
Patent No. 5866139
GENERAL INFORMATION:
APPLICANT: Brechot, Christian
APPLICANT: Kremsdorf, Dina
APPLICANT: Porchon, Colette
TITLE OF INVENTION: Nucleotide and Peptide Sequences of a
Hepatitis C Virus Isolate, Diagnostic and Therapeutic
TITLE OF INVENTION: Applications
NUMBER OF SEQUENCES: 46
CORRESPONDENCE ADDRESS:
ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
ADDRESSEE: Dunner
STREET: 1300 I Street, N.W.
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005-3315
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/483,695
FILING DATE:

CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/965,285
FILING DATE: 18-MAR-1993
APPLICATION NUMBER: FR 91 06 882
FILING DATE: 06-JUN-1991
ATTORNEY/AGENT INFORMATION:
NAME: Meyers, Kenneth J.
REGISTRATION NUMBER: 25,146
REFERENCE/DOCKET NUMBER: 05286-0001-00000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-408-4000
TELEFAX: 202-408-4400
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 256 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: Other
DESCRIPTION: cDNA to genomic RNA
US-08-483-695-1

Query Match 100.0%; Score 20; DB 2; Length 256;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGGACCCCAACTACTC 20
Db 193 TTGCGGACCCCAACTACTC 174

RESULT 169
US-08-483-695-24/c
Sequence 24, Application US/08483695
Patent No. 5866139
GENERAL INFORMATION:
APPLICANT: Brechot, Christian
APPLICANT: Kremsdorf, Dina

```
/ APPLICANT: Porchon, Colette
/ TITLE OF INVENTION: Nucleotide and Peptide Sequences of a
/ TITLE OF INVENTION: Hepatitis C Virus Isolate, Diagnostic and Therapeutic
/ TITLE OF INVENTION: Applications
/ NUMBER OF SEQUENCES: 46
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
/ ADDRESSEE: Dunner
/ STREET: 1300 I Street, N.W.
/ CITY: Washington
/ STATE: DC
/ COUNTRY: USA
/ ZIP: 20005-3315
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/483,695
/ FILING DATE:
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US/07/965,285
/ FILING DATE: 18-MAR-1993
/ APPLICATION NUMBER: FR 91 06 882
/ FILING DATE: 06-JUN-1991
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Meyers, Kenneth J.
/ REGISTRATION NUMBER: 25,146
/ REFERENCE/DOCKET NUMBER: 05286-0001-00000
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 202-408-4400
/ TELEFAX: 202-408-4400
/ INFORMATION FOR SEQ ID NO: 24:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 256 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: Other
/ DESCRIPTION: cDNA to genomic RNA
/
/ US-08-483-695-25
/
/ Query Match 100.0%; Score 20; DB 2; Length 256;
/ Best Local Similarity 100.0%; Pred. No. 0.0029;
/ Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
/
/ QY 1 TTGCGACCCCAACTACTC 20
/ | | | | | | | | | | | | | | | |
/ Db 193 TTGCGACCCCAACTACTC 174
/
/ RESULT 171
/ US-08-483-695-25/c
/ Sequence 25, Application US/08483695
/ Patent No. 5866139
/ GENERAL INFORMATION:
/ APPLICANT: Brechot, Christian
/ APPLICANT: Kremsdorf, Dina
/ APPLICANT: Porchon, Colette
/ TITLE OF INVENTION: Nucleotide and Peptide Sequences of a
/ TITLE OF INVENTION: Hepatitis C Virus Isolate, Diagnostic and Therapeutic
/ TITLE OF INVENTION: Applications
/ NUMBER OF SEQUENCES: 46
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
/ ADDRESSEE: Dunner
/ STREET: 1300 I Street, N.W.
/ CITY: Washington
/ STATE: DC
/ COUNTRY: USA
/ ZIP: 20005-3315
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/483,695
/ FILING DATE:
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US/07/965,285
/ FILING DATE: 18-MAR-1993
/ APPLICATION NUMBER: FR 91 06 882
/ FILING DATE: 06-JUN-1991
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Meyers, Kenneth J.
/ REGISTRATION NUMBER: 25,146
/ REFERENCE/DOCKET NUMBER: 05286-0001-00000
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 202-408-4400
/ TELEFAX: 202-408-4400
/ INFORMATION FOR SEQ ID NO: 24:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 256 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: Other
/ DESCRIPTION: cDNA to genomic RNA
/
/ US-08-483-695-24
/
/ Query Match 100.0%; Score 20; DB 2; Length 256;
/ Best Local Similarity 100.0%; Pred. No. 0.0029;
/ Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
/
/ QY 1 TTGCGACCCCAACTACTC 20
/ | | | | | | | | | | | | | | | |
/ Db 193 TTGCGACCCCAACTACTC 174
/
/ RESULT 170
/ US-08-483-695-25/c
/ Sequence 25, Application US/08483695
/ Patent No. 5866139
/ GENERAL INFORMATION:
/ APPLICANT: Brechot, Christian
/ APPLICANT: Kremsdorf, Dina
/ APPLICANT: Porchon, Colette
/ TITLE OF INVENTION: Nucleotide and Peptide Sequences of a
/ TITLE OF INVENTION: Hepatitis C Virus Isolate, Diagnostic and Therapeutic
/ TITLE OF INVENTION: Applications
/ NUMBER OF SEQUENCES: 46
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
/ ADDRESSEE: Dunner
/ STREET: 1300 I Street, N.W.
/ CITY: Washington
/ STATE: DC
/ COUNTRY: USA
/ ZIP: 20005-3315
```

```
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/483,695
/ FILING DATE:
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US/07/965,285
/ FILING DATE: 18-MAR-1993
/ APPLICATION NUMBER: FR 91 06 882
/ FILING DATE: 06-JUN-1991
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Meyers, Kenneth J.
/ REGISTRATION NUMBER: 25,146
/ REFERENCE/DOCKET NUMBER: 05286-0001-00000
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 202-408-4400
/ TELEFAX: 202-408-4400
/ INFORMATION FOR SEQ ID NO: 25:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 256 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: Other
/ DESCRIPTION: cDNA to genomic RNA
/
/ US-08-483-695-25
/
/ Query Match 100.0%; Score 20; DB 2; Length 256;
/ Best Local Similarity 100.0%; Pred. No. 0.0029;
/ Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
/
/ QY 1 TTGCGACCCCAACTACTC 20
/ | | | | | | | | | | | | | | | |
/ Db 193 TTGCGACCCCAACTACTC 174
/
/ RESULT 171
/ US-08-483-695-26/c
/ Sequence 26, Application US/08483695
/ Patent No. 5866139
/ GENERAL INFORMATION:
/ APPLICANT: Brechot, Christian
/ APPLICANT: Kremsdorf, Dina
/ APPLICANT: Porchon, Colette
/ TITLE OF INVENTION: Nucleotide and Peptide Sequences of a
/ TITLE OF INVENTION: Hepatitis C Virus Isolate, Diagnostic and Therapeutic
/ TITLE OF INVENTION: Applications
/ NUMBER OF SEQUENCES: 46
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
/ ADDRESSEE: Dunner
/ STREET: 1300 I Street, N.W.
/ CITY: Washington
/ STATE: DC
/ COUNTRY: USA
/ ZIP: 20005-3315
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/483,695
/ FILING DATE:
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US/07/965,285
/ FILING DATE: 18-MAR-1993
/ APPLICATION NUMBER: FR 91 06 882
/ FILING DATE: 06-JUN-1991
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Meyers, Kenneth J.
/ REGISTRATION NUMBER: 25,146
/ REFERENCE/DOCKET NUMBER: 05286-0001-00000
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 202-408-4400
/ TELEFAX: 202-408-4400
/ INFORMATION FOR SEQ ID NO: 25:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 256 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: Other
/ DESCRIPTION: cDNA to genomic RNA
/
/ US-08-483-695-25
```

```
/
/ FILING DATE: 06-JUN-1991
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Meyers, Kenneth J.
/ REGISTRATION NUMBER: 25,146
/ REFERENCE/DOCKET NUMBER: 05286-0001-00000
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 202-408-4000
/ TELEFAX: 202-408-4400
/ INFORMATION FOR SEQ ID NO: 26:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 256 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: Other
/ DESCRIPTION: cdna to genomic RNA
/
US-08-483-695-26

Query Match 100.0%; Score 20; DB 2; Length 256;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCCGACCCCAACTACTC 20
Db 193 TTCCGACCCCAACTACTC 174

RESULT 172
US-07-965-285-1/c
; Sequence 1, Application US/07965285
; Patent No. 5879904
; GENERAL INFORMATION:
; APPLICANT: Brechot, Christian
; APPLICANT: Krensdorf, Dina
; APPLICANT: Porchon, Colette
; TITLE OF INVENTION: Nucleotide and Peptide Sequences of a
; TITLE OF INVENTION: Hepatitis C Virus Isolate, Diagnostic and Therapeutic
; TITLE OF INVENTION: Applications
; NUMBER OF SEQUENCES: 46
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/965,285
; FILING DATE: 18-MAR-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: FR 91 06 882
; FILING DATE: 06-JUN-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 05286-0001-00000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 256 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Other
; DESCRIPTION: cdna to genomic RNA
/
US-07-965-285-24

Query Match 100.0%; Score 20; DB 2; Length 256;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCCGACCCCAACTACTC 20
Db 193 TTCCGACCCCAACTACTC 174

RESULT 174
US-07-965-285-25/c
; Sequence 25, Application US/07965285
```

```
; Patent No. 5879904
; GENERAL INFORMATION:
; APPLICANT: Brechot, Christian
; APPLICANT: Kremsdorf, Dina
; APPLICANT: Porchon, Colette
; TITLE OF INVENTION: Nucleotide and Peptide Sequences of a
; TITLE OF INVENTION: Hepatitis C Virus Isolate, Diagnostic and Therapeutic
; TITLE OF INVENTION: Applications
; NUMBER OF SEQUENCES: 46
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/965,285
; FILING DATE: 18-MAR-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: FR 91 06 882
; FILING DATE: 06-JUN-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 05286-0001-00000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 256 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Other
; DESCRIPTION: cDNA to genomic RNA
; US-07-965-285-25

Query Match 100.0%; Score 20; DB 2; Length 256;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
Db 193 TTTCGGACCCCACTACTC 174

RESULT 175
US-07-965-285-26/c
; Sequence 26, Application US/07965285
; Patent No. 5879904
; GENERAL INFORMATION:
; APPLICANT: Brechot, Christian
; APPLICANT: Kremsdorf, Dina
; APPLICANT: Porchon, Colette
; TITLE OF INVENTION: Nucleotide and Peptide Sequences of a
; TITLE OF INVENTION: Hepatitis C Virus Isolate, Diagnostic and Therapeutic
; TITLE OF INVENTION: Applications
; NUMBER OF SEQUENCES: 46
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: DC
```

```
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/965,285
; FILING DATE: 18-MAR-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: FR 91 06 882
; FILING DATE: 06-JUN-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 05286-0001-00000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 256 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Other
; DESCRIPTION: cDNA to genomic RNA
; US-07-965-285-26

Query Match 100.0%; Score 20; DB 2; Length 256;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
Db 193 TTTCGGACCCCACTACTC 174

RESULT 176
US-08-487-231-1/c
; Sequence 1, Application US/08487231
; Patent No. 5919454
; GENERAL INFORMATION:
; APPLICANT: Brechot, Christian
; APPLICANT: Kremsdorf, Dina
; APPLICANT: Porchon, Colette
; TITLE OF INVENTION: Nucleotide and Peptide Sequences of a
; TITLE OF INVENTION: Hepatitis C Virus Isolate, Diagnostic and Therapeutic
; TITLE OF INVENTION: Applications
; NUMBER OF SEQUENCES: 46
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/487,231
; FILING DATE: 07-JUNE-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/965,285
; FILING DATE: 18-MAR-1993
; CLASSIFICATION: 435
```



```
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: FR 91 06 882
/ FILING DATE: 06-JUN-1991
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Meyers, Kenneth J.
/ REGISTRATION NUMBER: 25,146
/ REFERENCE/DOCKET NUMBER: 05286-0001-02000
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 202-408-4000
/ INFORMATION FOR SEQ ID NO: 1:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 256 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: Other
/ DESCRIPTION: cDNA to genomic RNA
/
US-08-487-231-1
Query Match 100.0%; Score 20; DB 2; Length 256;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGGACCCCAACTACTC 20
Db 193 TTGCGGACCCCAACTACTC 174

RESULT 177
US-08-487-231-24/c
; Sequence 24, Application US/08487231
; Patent No. 5919454
; GENERAL INFORMATION:
; APPLICANT: Brechot, Christian
; APPLICANT: Kremesdorf, Dina
; APPLICANT: Porchon, Colette
; TITLE OF INVENTION: Nucleotide and Peptide Sequences of a
; TITLE OF INVENTION: Hepatitis C Virus Isolate, Diagnostic and Therapeutic
; NUMBER OF SEQUENCES: 46
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/487,231
; FILING DATE: 07-JUNE-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/965,285
; FILING DATE: 18-MAR-1993
; CLASSIFICATION: 435
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/487,231
; FILING DATE: 07-JUNE-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/965,285
; FILING DATE: 18-MAR-1993
; CLASSIFICATION: 435
; INFORMATION FOR SEQ ID NO: 24:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 256 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: Other
/ DESCRIPTION: cDNA to genomic RNA
/
US-08-487-231-25
```

```
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 256 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: Other
/ DESCRIPTION: cDNA to genomic RNA
/
US-08-487-231-24
Query Match 100.0%; Score 20; DB 2; Length 256;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGGACCCCAACTACTC 20
Db 193 TTGCGGACCCCAACTACTC 174

RESULT 178
US-08-487-231-25/c
; Sequence 25, Application US/08487231
; Patent No. 5919454
; GENERAL INFORMATION:
; APPLICANT: Brechot, Christian
; APPLICANT: Kremesdorf, Dina
; APPLICANT: Porchon, Colette
; TITLE OF INVENTION: Nucleotide and Peptide Sequences of a
; TITLE OF INVENTION: Hepatitis C Virus Isolate, Diagnostic and Therapeutic
; NUMBER OF SEQUENCES: 46
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/487,231
; FILING DATE: 07-JUNE-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/965,285
; FILING DATE: 18-MAR-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: FR 91 06 882
; FILING DATE: 06-JUN-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 05286-0001-02000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; INFORMATION FOR SEQ ID NO: 25:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 256 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: Other
/ DESCRIPTION: cDNA to genomic RNA
/
US-08-487-231-25
Query Match 100.0%; Score 20; DB 2; Length 256;
Best Local Similarity 100.0%; Pred. No. 0.0029;
```

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCACTACTC 20
|||||
Db 193 TTTCGGACCCCACTACTC 174

RESULT 179

US-08-487-231-26/c
; Sequence 26, Application US/08487231
; Patent No. 5919454
; GENERAL INFORMATION:
; APPLICANT: Brechot, Christian
; APPLICANT: Kremsdorf, Dina
; APPLICANT: Porchon, Colette
; TITLE OF INVENTION: Nucleotide and Peptide Sequences of a
; TITLE OF INVENTION: Hepatitis C Virus Isolate, Diagnostic and Therapeutic
; TITLE OF INVENTION: Applications
; NUMBER OF SEQUENCES: 46
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/487,231
; FILING DATE: 07-JUNE-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/965,285
; FILING DATE: 18-MAR-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: FR 91 06 882
; FILING DATE: 06-JUN-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 05286-0001-02000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 256 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Other
; DESCRIPTION: cDNA to genomic RNA
US-08-487-231-26

Query Match 100.0%; Score 20; DB 2; Length 256;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCACTACTC 20
|||||
Db 193 TTTCGGACCCCACTACTC 174

RESULT 180

US-09-201-912-1/c
; Sequence 1, Application US/09201912
; Patent No. 6210962

; GENERAL INFORMATION:
; APPLICANT: Brechot, Christian
; APPLICANT: Kremsdorf, Dina
; APPLICANT: Porchon, Colette
; TITLE OF INVENTION: Nucleotide and Peptide Sequences of a
; TITLE OF INVENTION: Hepatitis C Virus Isolate, Diagnostic and Therapeutic
; TITLE OF INVENTION: Applications
; NUMBER OF SEQUENCES: 46
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/201,912
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/965,285
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 05286-0001-00000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 256 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Other
; DESCRIPTION: cDNA to genomic RNA
US-09-201-912-1

Query Match 100.0%; Score 20; DB 3; Length 256;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCACTACTC 20
|||||
Db 193 TTTCGGACCCCACTACTC 174

RESULT 181

US-09-201-912-24/c
; Sequence 24, Application US/09201912
; Patent No. 6210962
; GENERAL INFORMATION:
; APPLICANT: Brechot, Christian
; APPLICANT: Kremsdorf, Dina
; APPLICANT: Porchon, Colette
; TITLE OF INVENTION: Nucleotide and Peptide Sequences of a
; TITLE OF INVENTION: Hepatitis C Virus Isolate, Diagnostic and Therapeutic
; TITLE OF INVENTION: Applications
; NUMBER OF SEQUENCES: 46
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA

ZIP: 20005-3315
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/201,912
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/965,285
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Meyers, Kenneth J.
REGISTRATION NUMBER: 25,146
REFERENCE/DOCKET NUMBER: 05286-0001-00000
TELEPHONE: 202-408-4000
TELEFAX: 202-408-4400
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 256 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: Other
DESCRIPTION: cdna to genomic RNA
US-09-201-912-24

Query Match 100.0%; Score 20; DB 3; Length 256;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 TTTCGGACCCCAACTACTC 20
|||||
DB 193 TTTCGGACCCCAACTACTC 174

RESULT 182
US-09-201-912-25/c
Sequence 25, Application US/09201912
Patent No. 6210962
GENERAL INFORMATION:
APPLICANT: Brechot, Christian
APPLICANT: Krensdorf, Dina
TITLE OF INVENTION: Nucleotide and Peptide Sequences of a
TITLE OF INVENTION: Hepatitis C Virus Isolate, Diagnostic and Therapeutic
TITLE OF INVENTION: Applications
NUMBER OF SEQUENCES: 46
CORRESPONDENCE ADDRESS:
ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
ADDRESSEE: Dunner
STREET: 1300 I Street, N.W.
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005-3315
COMPUTER READABLE FORM: disk
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/201,912
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/965,285
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Meyers, Kenneth J.

REGISTRATION NUMBER: 25,146
REFERENCE/DOCKET NUMBER: 05286-0001-00000
TELEPHONE: 202-408-4000
TELEFAX: 202-408-4400
INFORMATION FOR SEQ ID NO: 25:
SEQUENCE CHARACTERISTICS:
LENGTH: 256 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: Other
DESCRIPTION: cdna to genomic RNA
US-09-201-912-25

Query Match 100.0%; Score 20; DB 3; Length 256;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 TTTCGGACCCCAACTACTC 20
|||||
DB 193 TTTCGGACCCCAACTACTC 174

RESULT 183
US-09-201-912-26/c
Sequence 26, Application US/09201912
Patent No. 6210962
GENERAL INFORMATION:
APPLICANT: Brechot, Christian
APPLICANT: Krensdorf, Dina
APPLICANT: Porchon, Colette
TITLE OF INVENTION: Nucleotide and Peptide Sequences of a
TITLE OF INVENTION: Hepatitis C Virus Isolate, Diagnostic and Therapeutic
TITLE OF INVENTION: Applications
NUMBER OF SEQUENCES: 46
CORRESPONDENCE ADDRESS:
ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
ADDRESSEE: Dunner
STREET: 1300 I Street, N.W.
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005-3315
COMPUTER READABLE FORM: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/201,912
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/965,285
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Meyers, Kenneth J.
REGISTRATION NUMBER: 25,146
REFERENCE/DOCKET NUMBER: 05286-0001-00000
TELEPHONE: 202-408-4000
TELEFAX: 202-408-4400
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 256 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: Other
DESCRIPTION: cdna to genomic RNA
US-09-201-912-26

Query Match 100.0%; Score 20; DB 3; Length 256;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 193 TTTCGGACCCCAACTACTC 174

RESULT 184

US-08-757-653-121/c
; Sequence 121, Application US/08757653
; Patent No. 5843669

GENERAL INFORMATION:
; APPLICANT: Kaiser, Michael W.
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Lyamichev, Natasha
; TITLE OF INVENTION: Cleavage Of Nucleic Acid Using
; TITLE OF INVENTION: Thermostable FEN-1 Endonucleases
; NUMBER OF SEQUENCES: 190
; CORRESPONDENCE ADDRESS:

ADDRESSES: Medlen & Carroll, LLP
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
STATE: California
COUNTRY: United States Of America
ZIP: 94104

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/757,653
; FILING DATE:

CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02565
TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 121:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-757-653-121

Query Match 100.0%; Score 20; DB 2; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 218 TTTCGGACCCCAACTACTC 199

RESULT 185

US-08-757-653-123/c
; Sequence 123, Application US/08757653
; Patent No. 5843669

GENERAL INFORMATION:
; APPLICANT: Kaiser, Michael W.
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Lyamichev, Natasha
; TITLE OF INVENTION: Cleavage Of Nucleic Acid Using
; TITLE OF INVENTION: Thermostable FEN-1 Endonucleases
; NUMBER OF SEQUENCES: 190
; CORRESPONDENCE ADDRESS:

ADDRESSEE: Medlen & Carroll, LLP
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
STATE: California
COUNTRY: United States Of America
ZIP: 94104
COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/757,653
; FILING DATE:

CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02565
TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 123:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-757-653-123

Query Match 100.0%; Score 20; DB 2; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 218 TTTCGGACCCCAACTACTC 199

RESULT 186

US-08-757-653-126/c
; Sequence 126, Application US/08757653
; Patent No. 5843669

GENERAL INFORMATION:
; APPLICANT: Kaiser, Michael W.
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Lyamichev, Natasha
; TITLE OF INVENTION: Cleavage Of Nucleic Acid Using
; TITLE OF INVENTION: Thermostable FEN-1 Endonucleases
; NUMBER OF SEQUENCES: 190
; CORRESPONDENCE ADDRESS:

ADDRESSES: Medlen & Carroll, LLP
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
STATE: California
COUNTRY: United States Of America
ZIP: 94104

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/757,653
; FILING DATE:

CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02565
TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410

TELEFAX: (415) 397-8338
INFORMATION FOR SEQ ID NO: 126:
SEQUENCE CHARACTERISTICS:
LENGTH: 281 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-757-653-126

Query Match 100.0%; Score 20; DB 2; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGGACCCCACTACTC 20
|||||
Db 218 TTGCGGACCCCACTACTC 199

RESULT 187

US-08-757-653-127

; Sequence 127, Application US/08757653

; Patent No. 5843669

; GENERAL INFORMATION:

; APPLICANT: Kaiser, Michael W.

; APPLICANT: Lyamichev, Victor I.

; APPLICANT: Lyamichev, Natasha

; TITLE OF INVENTION: Cleavage Of Nucleic Acid Using

; TITLE OF INVENTION: Thermostable FEN-1 Endonucleases

; NUMBER OF SEQUENCES: 190

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Medlen & Carroll, LLP

; STREET: 220 Montgomery Street, Suite 2200

; CITY: San Francisco

; STATE: California

; COUNTRY: United States Of America

; ZIP: 94104

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/757,653

; FILING DATE:

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: Ingolia, Diane E.

; REGISTRATION NUMBER: 40,027

; REFERENCE/DOCKET NUMBER: FORS-02565

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (415) 705-8410

; TELEFAX: (415) 397-8338

; INFORMATION FOR SEQ ID NO: 127:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 281 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: DNA (genomic)

US-08-757-653-127

Query Match 100.0%; Score 20; DB 2; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGGACCCCACTACTC 20
|||||
Db 64 TTGCGGACCCCACTACTC 83

RESULT 188

US-08-757-653-128

; Sequence 128, Application US/08757653
; Patent No. 5843669
; GENERAL INFORMATION:
; APPLICANT: Kaiser, Michael W.
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Lyamichev, Natasha
; TITLE OF INVENTION: Cleavage Of Nucleic Acid Using
; TITLE OF INVENTION: Thermostable FEN-1 Endonucleases
; NUMBER OF SEQUENCES: 190
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Medlen & Carroll, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
; COUNTRY: United States Of America
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/757,653
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02565
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 128:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-757-653-128

Query Match 100.0%; Score 20; DB 2; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGGACCCCACTACTC 20
|||||
Db 64 TTGCGGACCCCACTACTC 83

RESULT 189

US-08-757-653-129

; Sequence 129, Application US/08757653

; Patent No. 5843669

; GENERAL INFORMATION:

; APPLICANT: Kaiser, Michael W.

; APPLICANT: Lyamichev, Victor I.

; APPLICANT: Lyamichev, Natasha

; TITLE OF INVENTION: Cleavage Of Nucleic Acid Using

; TITLE OF INVENTION: Thermostable FEN-1 Endonucleases

; NUMBER OF SEQUENCES: 190

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Medlen & Carroll, LLP

; STREET: 220 Montgomery Street, Suite 2200

; CITY: San Francisco

; STATE: California

; COUNTRY: United States Of America

; ZIP: 94104

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

```

; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/757,653
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02565
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 129:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-757-653-129

Query Match 100.0%; Score 20; DB 2; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCGGGACCCCACTACTC 20
Db 64 TTCGGGACCCCACTACTC 83

RESULT 190
US-08-757-653-132
; Sequence 132, Application US/08757653
; Patent No. 5843669
; GENERAL INFORMATION:
; APPLICANT: Kaiser, Michael W.
; APPLICANT: Lyamichev, Victor I.
; TITLE OF INVENTION: Cleavage Of Nucleic Acid Using
; TITLE OF INVENTION: Thermostable FEN-1 Endonucleases
; NUMBER OF SEQUENCES: 190
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Medlen & Carroll, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
; COUNTRY: United States Of America
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/757,653
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02565
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 132:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-757-653-132

Query Match 100.0%; Score 20; DB 2; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCGGGACCCCACTACTC 20
Db 64 TTCGGGACCCCACTACTC 83

RESULT 191
US-08-520-946-121/c
; Sequence 121, Application US/08520946
; Patent No. 6372424
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; APPLICANT: LYAMICHEV, VICTOR I.
; APPLICANT: OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; TITLE OF INVENTION: PATHOGENS
; NUMBER OF SEQUENCES: 160
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/520,946
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 121:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-520-946-121

Query Match 100.0%; Score 20; DB 3; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCGGGACCCCACTACTC 20
Db 218 TTCGGGACCCCACTACTC 199

RESULT 192
US-08-520-946-123/c
; Sequence 123, Application US/08520946
; Patent No. 6372424
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; APPLICANT: LYAMICHEV, VICTOR I.
; APPLICANT: OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; TITLE OF INVENTION: PATHOGENS
; NUMBER OF SEQUENCES: 160
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
```

STREET: 220 MONTGOMERY STREET, SUITE 2200
CITY: SAN FRANCISCO
STATE: CALIFORNIA
COUNTRY: UNITED STATES OF AMERICA
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/520,946
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: CARROLL, PETER G.
REGISTRATION NUMBER: 32,837
REFERENCE/DOCKET NUMBER: FORS-01756
TELEPHONE: (415) 705-8410
TELEFAX: (415) 397-8338
INFORMATION FOR SEQ ID NO: 123:
SEQUENCE CHARACTERISTICS:
LENGTH: 281 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-520-946-123

Query Match 100.0%; Score 20; DB 3; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||
Db 218 TTTCGGACCCCAACTACTC 199

RESULT 193
US-08-520-946-126/c
Sequence 126, Application US/08520946
Patent No. 6372424
GENERAL INFORMATION:
APPLICANT: BROW, MARY ANN D.
APPLICANT: LYAMICHEV, VICTOR I.
TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
TITLE OF INVENTION: PATHOGENS
NUMBER OF SEQUENCES: 160
CORRESPONDENCE ADDRESS:
ADDRESSEE: MEDLEN & CARROLL
STREET: 220 MONTGOMERY STREET, SUITE 2200
CITY: SAN FRANCISCO
STATE: CALIFORNIA
COUNTRY: UNITED STATES OF AMERICA
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/520,946
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: CARROLL, PETER G.
REGISTRATION NUMBER: 32,837
REFERENCE/DOCKET NUMBER: FORS-01756
TELEPHONE: (415) 705-8410
TELEFAX: (415) 397-8338

INFORMATION FOR SEQ ID NO: 126:
SEQUENCE CHARACTERISTICS:
LENGTH: 281 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-520-946-126

Query Match 100.0%; Score 20; DB 3; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||
Db 218 TTTCGGACCCCAACTACTC 199

RESULT 194
US-08-520-946-127
Sequence 127, Application US/08520946
Patent No. 6372424
GENERAL INFORMATION:
APPLICANT: BROW, MARY ANN D.
APPLICANT: LYAMICHEV, VICTOR I.
APPLICANT: OLIVE, DAVID M.
TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
TITLE OF INVENTION: PATHOGENS
NUMBER OF SEQUENCES: 160
CORRESPONDENCE ADDRESS:
ADDRESSEE: MEDLEN & CARROLL
STREET: 220 MONTGOMERY STREET, SUITE 2200
CITY: SAN FRANCISCO
STATE: CALIFORNIA
COUNTRY: UNITED STATES OF AMERICA
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/520,946
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: CARROLL, PETER G.
REGISTRATION NUMBER: 32,837
REFERENCE/DOCKET NUMBER: FORS-01756
TELEPHONE: (415) 705-8410
TELEFAX: (415) 397-8338
INFORMATION FOR SEQ ID NO: 127:
SEQUENCE CHARACTERISTICS:
LENGTH: 281 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-520-946-127

Query Match 100.0%; Score 20; DB 3; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||
Db 64 TTTCGGACCCCAACTACTC 83

RESULT 195
US-08-520-946-128
Sequence 128, Application US/08520946

```
; Patent No. 6372424
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; APPLICANT: LYAMICHEV, VICTOR I.
; APPLICANT: OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; TITLE OF INVENTION: PATHOGENS
; NUMBER OF SEQUENCES: 160
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/520,946
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 128:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-520-946-128

Query Match 100.0%; Score 20; DB 3; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCACTACTC 20
Db 64 TTTCGGACCCCACTACTC 83

RESULT 196
US-08-520-946-129
; Sequence 129, Application US/08520946
; Patent No. 6372424
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; APPLICANT: LYAMICHEV, VICTOR I.
; APPLICANT: OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; TITLE OF INVENTION: PATHOGENS
; NUMBER OF SEQUENCES: 160
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/520,946
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 132:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-520-946-132

Query Match 100.0%; Score 20; DB 3; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCACTACTC 20
Db 64 TTTCGGACCCCACTACTC 83

RESULT 197
US-08-520-946-132
; Sequence 132, Application US/08520946
; Patent No. 6372424
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; APPLICANT: LYAMICHEV, VICTOR I.
; APPLICANT: OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; TITLE OF INVENTION: PATHOGENS
; NUMBER OF SEQUENCES: 160
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/520,946
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 132:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-520-946-132

Query Match 100.0%; Score 20; DB 3; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
; APPLICATION NUMBER: US/08/520,946
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 129:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-520-946-129

Query Match 100.0%; Score 20; DB 3; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCACTACTC 20
Db 64 TTTCGGACCCCACTACTC 83

RESULT 197
US-08-520-946-132
; Sequence 132, Application US/08520946
; Patent No. 6372424
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; APPLICANT: LYAMICHEV, VICTOR I.
; APPLICANT: OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; TITLE OF INVENTION: PATHOGENS
; NUMBER OF SEQUENCES: 160
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/520,946
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 132:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-520-946-132

Query Match 100.0%; Score 20; DB 3; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.0029;
```


Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGACCCCAACTACTC 20
| | | | | | | | | | | | | | | | | | | | | |
Db 64 TTGCGACCCCAACTACTC 83

RESULT 198

US-09-655-378A-121/c
; Sequence 121, Application US/09655378A
; Patent No. 6673616
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; LYAMICHEV, VICTOR I.
; OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS

NUMBER OF SEQUENCES: 165
CORRESPONDENCE ADDRESS:
ADDRESSEE: MEDLEN & CARROLL
STREET: 220 MONTGOMERY STREET, SUITE 2200
CITY: SAN FRANCISCO
STATE: CALIFORNIA
COUNTRY: UNITED STATES OF AMERICA
ZIP: 94104

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/655,378A
FILING DATE: 05-Sep-2000
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: CARROLL, PETER G.
REGISTRATION NUMBER: 32,837
REFERENCE/DOCKET NUMBER: FORS-01756
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 705-8410

INFORMATION FOR SEQ ID NO: 121:
SEQUENCE CHARACTERISTICS:
LENGTH: 281 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 121:

US-09-655-378A-121

Query Match 100.0%; Score 20; DB 4; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGACCCCAACTACTC 20
| | | | | | | | | | | | | | | | | | | | | |
Db 218 TTGCGACCCCAACTACTC 199

RESULT 199

US-09-655-378A-123/c
; Sequence 123, Application US/09655378A
; Patent No. 6673616
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; LYAMICHEV, VICTOR I.
; OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS

NUMBER OF SEQUENCES: 165
CORRESPONDENCE ADDRESS:
ADDRESSEE: MEDLEN & CARROLL

STREET: 220 MONTGOMERY STREET, SUITE 2200
CITY: SAN FRANCISCO
STATE: CALIFORNIA
COUNTRY: UNITED STATES OF AMERICA
ZIP: 94104

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/655,378A
FILING DATE: 05-Sep-2000
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: CARROLL, PETER G.
REGISTRATION NUMBER: 32,837
REFERENCE/DOCKET NUMBER: FORS-01756
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 705-8410
TELEFAX: (415) 397-8338

INFORMATION FOR SEQ ID NO: 123:
SEQUENCE CHARACTERISTICS:
LENGTH: 281 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 123:
US-09-655-378A-123

Query Match 100.0%; Score 20; DB 4; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGACCCCAACTACTC 20
| | | | | | | | | | | | | | | | | | | | | |
Db 218 TTGCGACCCCAACTACTC 199

RESULT 200

US-09-655-378A-126/c
; Sequence 126, Application US/09655378A
; Patent No. 6673616
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; LYAMICHEV, VICTOR I.
; OLIVE, DAVID M.

TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
PATHOGENS
NUMBER OF SEQUENCES: 165
CORRESPONDENCE ADDRESS:
ADDRESSEE: MEDLEN & CARROLL
STREET: 220 MONTGOMERY STREET, SUITE 2200
CITY: SAN FRANCISCO
STATE: CALIFORNIA
COUNTRY: UNITED STATES OF AMERICA
ZIP: 94104

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/655,378A
FILING DATE: 05-Sep-2000
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: CARROLL, PETER G.
REGISTRATION NUMBER: 32,837
REFERENCE/DOCKET NUMBER: FORS-01756
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 705-8410

```
;
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 126:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 126:
US-09-655-378A-126

Query Match      100.0%; Score 20; DB 4; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.0029;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTTCGGGACCCCAACTACTC 20
        |||||||
Db      218 TTTCGGGACCCCAACTACTC 199

Search completed: October 11, 2005, 00:23:54
Job time : 81.3684 secs
```

GenCore version 5.1.6
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: October 11, 2005, 00:17:46 ; Search time 368.947 Seconds
(without alignments)
377.552 Million cell updates/sec

Title: US-08-887-505B-28

Perfect score: 20

Sequence: 1 TTTCGGACCAACTACTCTC 20

Scoring table: OLIGO NUC

Gapop_60.0 , Gapext 60.0

Searched: 8443130 seqs, 3482420727 residues

Word size : 0

Total number of hits satisfying chosen parameters: 16886260

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 1000 summaries

Database : Published Applications NA:*

- 1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq:*
- 2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq:*
- 3: /cgn2_6/ptodata/2/pubpna/US05_NEW_PUB.seq:*
- 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
- 5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq:*
- 6: /cgn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq:*
- 7: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq:*
- 8: /cgn2_6/ptodata/2/pubpna/US09_PUBCOMB.seq:*
- 9: /cgn2_6/ptodata/2/pubpna/US09A_PUBCOMB.seq:*
- 10: /cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq:*
- 11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq:*
- 12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq:*
- 13: /cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq:*
- 14: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq:*
- 15: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq:*
- 16: /cgn2_6/ptodata/2/pubpna/US10D_PUBCOMB.seq:*
- 17: /cgn2_6/ptodata/2/pubpna/US10E_PUBCOMB.seq:*
- 18: /cgn2_6/ptodata/2/pubpna/US10F_PUBCOMB.seq:*
- 19: /cgn2_6/ptodata/2/pubpna/US10G_PUBCOMB.seq:*
- 20: /cgn2_6/ptodata/2/pubpna/US10H_PUBCOMB.seq:*
- 21: /cgn2_6/ptodata/2/pubpna/US10I_PUBCOMB.seq:*
- 22: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq:*
- 23: /cgn2_6/ptodata/2/pubpna/US11A_PUBCOMB.seq:*
- 24: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq:*
- 25: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
- 26: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	20	100.0	20	8	US-08-887-505-28
2	20	100.0	20	8	US-08-887-505-119
3	20	100.0	20	8	US-08-887-505-120
4	20	100.0	20	8	US-08-887-505-121
5	20	100.0	20	8	US-08-887-505-122
6	20	100.0	20	8	US-08-887-505-123
7	20	100.0	20	8	US-08-887-505-124

Sequence 125, App	20	100.0	8	US-08-887-505-125
Sequence 126, App	20	100.0	8	US-08-887-505-126
Sequence 127, App	20	100.0	8	US-08-887-505-127
Sequence 128, App	20	100.0	8	US-08-887-505-128
Sequence 129, App	20	100.0	8	US-08-887-505-129
Sequence 130, App	20	100.0	8	US-08-887-505-130
Sequence 131, App	20	100.0	8	US-08-887-505-131
Sequence 4, Appli	27	100.0	17	US-10-407-952-4
Sequence 20, Appl	27	100.0	27	US-10-475-024-20
Sequence 20, Appl	27	100.0	27	US-10-475-026-20
Sequence 68, Appl	28	100.0	8	US-08-887-505-68
Sequence 74, Appl	28	100.0	8	US-08-887-505-74
Sequence 3, Appli	29	100.0	18	US-10-332-626-3
Sequence 181, App	40	100.0	9	US-09-790-417-181
Sequence 43, Appl	40	100.0	10	US-09-780-863-43
Sequence 181, App	40	100.0	12	US-09-790-457-181
Sequence 6, Appli	40	100.0	19	US-10-318-416B-6
Sequence 18, Appl	40	100.0	19	US-10-318-416B-18
Sequence 19, Appl	40	100.0	19	US-10-318-416B-19
Sequence 1, Appli	60	100.0	9	US-09-870-939-1
Sequence 31, Appl	108	100.0	9	US-09-728-265-31
Sequence 31, Appl	108	100.0	10	US-09-978-261A-31
Sequence 31, Appl	108	100.0	16	US-10-309-438-31
Sequence 31, Appl	108	100.0	19	US-10-719-480-31
Sequence 12, Appl	194	100.0	16	US-10-396-964-12
Sequence 19, Appl	226	100.0	18	US-10-688-272-19
Sequence 22, Appl	230	100.0	18	US-10-688-272-22
Sequence 23, Appl	230	100.0	18	US-10-688-272-23
Sequence 37, Appl	232	100.0	9	US-09-825-574-37
Sequence 37, Appl	232	100.0	10	US-09-882-945A-37
Sequence 37, Appl	232	100.0	20	US-10-807-114-37
Sequence 37, Appl	232	100.0	21	US-10-655-362-37
Sequence 32, Appl	239	100.0	9	US-09-825-574-32
Sequence 36, Appl	239	100.0	9	US-09-825-574-36
Sequence 32, Appl	239	100.0	10	US-09-882-945A-32
Sequence 36, Appl	239	100.0	10	US-09-882-945A-36
Sequence 36, Appl	239	100.0	20	US-10-807-114-36
Sequence 32, Appl	239	100.0	21	US-10-655-362-32
Sequence 36, Appl	239	100.0	21	US-10-655-362-36
Sequence 9, Appli	239	100.0	21	US-10-927-520-9
Sequence 10, Appl	239	100.0	21	US-10-927-520-10
Sequence 33, Appl	240	100.0	9	US-09-825-574-33
Sequence 35, Appl	240	100.0	9	US-09-825-574-35
Sequence 38, Appl	240	100.0	9	US-09-825-574-38
Sequence 33, Appl	240	100.0	10	US-09-882-945A-33
Sequence 38, Appl	240	100.0	10	US-09-882-945A-38
Sequence 33, Appl	240	100.0	20	US-10-807-114-33
Sequence 35, Appl	240	100.0	20	US-10-807-114-35
Sequence 38, Appl	240	100.0	20	US-10-807-114-38
Sequence 33, Appl	240	100.0	21	US-10-655-362-33
Sequence 35, Appl	240	100.0	21	US-10-655-362-35
Sequence 38, Appl	240	100.0	21	US-10-655-362-38
Sequence 10, Appl	241	100.0	14	US-10-087-631B-10
Sequence 10, Appl	241	100.0	16	US-10-419-022-10
Sequence 26, Appl	244	100.0	9	US-09-825-574-26
Sequence 27, Appl	244	100.0	9	US-09-825-574-27
Sequence 29, Appl	244	100.0	9	US-09-825-574-29
Sequence 31, Appl	244	100.0	9	US-09-825-574-31
Sequence 26, Appl	244	100.0	10	US-09-882-945A-26
Sequence 27, Appl	244	100.0	10	US-09-882-945A-27
Sequence 29, Appl	244	100.0	10	US-09-882-945A-29
Sequence 31, Appl	244	100.0	10	US-09-882-945A-31
Sequence 16, Appl	244	100.0	18	US-10-688-272-16
Sequence 26, Appl	244	100.0	20	US-10-807-114-26
Sequence 27, Appl	244	100.0	20	US-10-807-114-27
Sequence 29, Appl	244	100.0	20	US-10-807-114-29
Sequence 31, Appl	244	100.0	20	US-10-807-114-31
Sequence 26, Appl	244	100.0	21	US-10-655-362-26
Sequence 27, Appl	244	100.0	21	US-10-655-362-27
Sequence 29, Appl	244	100.0	21	US-10-655-362-29

c 81	20	100.0	244	21	US-10-655-362-31	Sequence 31, Appl	c 154	20	100.0	337	16	US-10-290-386-45	Sequence 45, Appl
c 82	20	100.0	244	21	US-10-655-362-124	Sequence 124, App	c 155	20	100.0	337	18	US-10-356-861-45	Sequence 45, Appl
c 83	20	100.0	244	21	US-10-655-362-125	Sequence 125, App	c 156	20	100.0	337	20	US-10-309-584-45	Sequence 45, Appl
c 84	20	100.0	244	21	US-10-655-362-127	Sequence 127, App	c 157	20	100.0	337	21	US-10-897-793-45	Sequence 45, Appl
c 85	20	100.0	244	21	US-10-655-362-128	Sequence 128, App	c 158	20	100.0	337	21	US-10-783-557-45	Sequence 45, Appl
c 86	20	100.0	244	24	US-11-031-487-64	Sequence 64, Appl	c 159	20	100.0	337	24	US-11-103-943-56	Sequence 56, Appl
c 87	20	100.0	244	24	US-11-031-487-66	Sequence 66, Appl	c 160	20	100.0	341	9	US-09-814-232-44	Sequence 44, Appl
c 88	20	100.0	244	24	US-11-031-487-67	Sequence 67, Appl	c 161	20	100.0	341	10	US-09-814-357-3	Sequence 3, Appl
c 89	20	100.0	244	24	US-11-031-487-68	Sequence 68, Appl	c 162	20	100.0	341	10	US-09-814-351-3	Sequence 3, Appl
c 90	20	100.0	263	15	US-10-292-129-13	Sequence 13, Appl	c 163	20	100.0	341	15	US-10-259-275-35	Sequence 35, Appl
c 91	20	100.0	271	22	US-10-920-040-1	Sequence 1, Appl	c 164	20	100.0	341	22	US-10-691-045-3	Sequence 35, Appl
c 92	20	100.0	278	21	US-10-363-177A-67	Sequence 67, Appl	c 165	20	100.0	341	24	US-11-006-313-35	Sequence 1, Appl
c 93	20	100.0	281	10	US-09-940-925A-121	Sequence 121, App	c 166	20	100.0	347	15	US-10-132-295-1	Sequence 48, Appl
c 94	20	100.0	281	10	US-09-940-925A-122	Sequence 122, App	c 167	20	100.0	366	9	US-09-877-526A-48	Sequence 48, Appl
c 95	20	100.0	281	10	US-09-940-925A-123	Sequence 123, App	c 168	20	100.0	366	10	US-09-992-160-48	Sequence 48, Appl
c 96	20	100.0	281	10	US-09-940-925A-126	Sequence 126, App	c 169	20	100.0	366	10	US-09-740-332-9701	Sequence 9701, Ap
c 97	20	100.0	281	10	US-09-940-925A-127	Sequence 127, App	c 170	20	100.0	366	10	US-09-817-879-9701	Sequence 9701, Ap
c 98	20	100.0	281	10	US-09-940-925A-128	Sequence 128, App	c 171	20	100.0	366	14	US-10-056-761-48	Sequence 48, Appl
c 99	20	100.0	281	10	US-09-940-925A-129	Sequence 129, App	c 172	20	100.0	366	17	US-10-422-050-48	Sequence 16198, A
c 100	20	100.0	281	10	US-09-941-193A-121	Sequence 121, App	c 173	20	100.0	366	19	US-10-669-841-16198	Sequence 16198, A
c 101	20	100.0	281	10	US-09-941-193A-123	Sequence 123, App	c 174	20	100.0	374	18	US-10-324-409B-32	Sequence 32, Appl
c 102	20	100.0	281	10	US-09-941-193A-126	Sequence 126, App	c 175	20	100.0	383	21	US-10-626-879-9	Sequence 9, Appl
c 103	20	100.0	281	10	US-09-941-193A-127	Sequence 127, App	c 176	20	100.0	384	18	US-10-332-626-1	Sequence 1, Appl
c 104	20	100.0	281	10	US-09-941-193A-128	Sequence 128, App	c 177	20	100.0	386	10	US-09-940-925A-122	Sequence 122, App
c 105	20	100.0	281	10	US-09-941-193A-129	Sequence 129, App	c 178	20	100.0	386	10	US-09-941-193A-122	Sequence 122, App
c 106	20	100.0	281	10	US-09-941-193A-132	Sequence 132, App	c 179	20	100.0	386	22	US-10-409-594-122	Sequence 122, App
c 107	20	100.0	281	22	US-10-409-594-121	Sequence 121, App	c 180	20	100.0	393	15	US-10-276-513-5	Sequence 5, Appl
c 108	20	100.0	281	22	US-10-409-594-123	Sequence 123, App	c 181	20	100.0	412	15	US-10-276-513-4	Sequence 4, Appl
c 109	20	100.0	281	22	US-10-409-594-126	Sequence 126, App	c 182	20	100.0	652	9	US-09-851-138-59	Sequence 59, Appl
c 110	20	100.0	281	22	US-10-409-594-127	Sequence 127, App	c 183	20	100.0	685	10	US-09-853-409-37	Sequence 37, Appl
c 111	20	100.0	281	22	US-10-409-594-128	Sequence 128, App	c 184	20	100.0	685	18	US-10-457-304-37	Sequence 37, Appl
c 112	20	100.0	281	22	US-10-409-594-129	Sequence 129, App	c 185	20	100.0	685	18	US-10-454-293-37	Sequence 37, Appl
c 113	20	100.0	281	22	US-10-409-594-132	Sequence 132, App	c 186	20	100.0	2327	16	US-10-066-130-20	Sequence 20, Appl
c 114	20	100.0	282	10	US-09-940-925A-124	Sequence 124, App	c 187	20	100.0	2327	19	US-10-734-801-20	Sequence 20, Appl
c 115	20	100.0	282	10	US-09-940-925A-130	Sequence 130, App	c 188	20	100.0	2674	16	US-10-066-130-19	Sequence 19, Appl
c 116	20	100.0	282	10	US-09-941-193A-124	Sequence 124, App	c 189	20	100.0	2674	19	US-10-734-801-19	Sequence 19, Appl
c 117	20	100.0	282	10	US-09-941-193A-130	Sequence 130, App	c 190	20	100.0	2771	16	US-10-066-130-18	Sequence 18, Appl
c 118	20	100.0	282	22	US-10-409-594-124	Sequence 124, App	c 191	20	100.0	2771	16	US-10-734-801-18	Sequence 18, Appl
c 119	20	100.0	282	22	US-10-409-594-130	Sequence 130, App	c 192	20	100.0	5860	16	US-10-066-130-17	Sequence 17, Appl
c 120	20	100.0	286	9	US-09-825-574-21	Sequence 21, Appl	c 193	20	100.0	5860	19	US-10-734-801-17	Sequence 17, Appl
c 121	20	100.0	286	10	US-09-882-945A-21	Sequence 21, Appl	c 194	20	100.0	7989	19	US-10-434-842-16	Sequence 16, Appl
c 122	20	100.0	286	20	US-10-807-114-21	Sequence 21, Appl	c 195	20	100.0	7989	19	US-10-639-150-1	Sequence 1, Appl
c 123	20	100.0	286	21	US-10-655-362-21	Sequence 21, Appl	c 196	20	100.0	7989	21	US-10-887-648-17	Sequence 17, Appl
c 124	20	100.0	289	9	US-09-825-574-20	Sequence 20, Appl	c 197	20	100.0	7992	13	US-10-005-469-1	Sequence 1, Appl
c 125	20	100.0	289	9	US-09-825-574-23	Sequence 23, Appl	c 198	20	100.0	7992	13	US-10-005-469-2	Sequence 2, Appl
c 126	20	100.0	289	10	US-09-882-945A-20	Sequence 20, Appl	c 199	20	100.0	7992	13	US-10-005-469-4	Sequence 4, Appl
c 127	20	100.0	289	10	US-09-882-945A-23	Sequence 23, Appl	c 200	20	100.0	7992	13	US-10-005-469-5	Sequence 5, Appl
c 128	20	100.0	289	20	US-10-807-114-20	Sequence 20, Appl	c 201	20	100.0	7992	13	US-10-005-469-6	Sequence 6, Appl
c 129	20	100.0	289	20	US-10-807-114-23	Sequence 23, Appl	c 202	20	100.0	7992	13	US-10-005-469-1	Sequence 1, Appl
c 130	20	100.0	289	21	US-10-655-362-20	Sequence 20, Appl	c 203	20	100.0	7992	17	US-10-434-842-2	Sequence 2, Appl
c 131	20	100.0	289	21	US-10-655-362-23	Sequence 23, Appl	c 204	20	100.0	7992	17	US-10-434-842-4	Sequence 4, Appl
c 132	20	100.0	298	9	US-09-345-761-7	Sequence 7, Appl	c 205	20	100.0	7992	17	US-10-434-842-5	Sequence 5, Appl
c 133	20	100.0	298	19	US-10-687-588-7	Sequence 7, Appl	c 206	20	100.0	7992	17	US-10-434-842-6	Sequence 6, Appl
c 134	20	100.0	298	16	US-10-230-381-1	Sequence 1, Appl	c 207	20	100.0	7992	17	US-10-434-842-15	Sequence 15, Appl
c 135	20	100.0	305	21	US-10-363-177A-63	Sequence 63, Appl	c 208	20	100.0	7992	17	US-10-434-842-17	Sequence 17, Appl
c 136	20	100.0	305	21	US-10-363-177A-64	Sequence 64, Appl	c 209	20	100.0	7995	13	US-10-005-469-3	Sequence 3, Appl
c 137	20	100.0	305	21	US-10-363-177A-68	Sequence 68, Appl	c 210	20	100.0	7995	17	US-10-434-842-3	Sequence 3, Appl
c 138	20	100.0	315	9	US-09-345-761-6	Sequence 6, Appl	c 211	20	100.0	8085	22	US-10-510-912-2	Sequence 2, Appl
c 139	20	100.0	315	19	US-10-687-588-6	Sequence 6, Appl	c 212	20	100.0	8451	19	US-10-475-989-3	Sequence 3, Appl
c 140	20	100.0	328	10	US-09-882-945A-240	Sequence 240, App	c 213	20	100.0	8638	13	US-10-029-907-6	Sequence 6, Appl
c 141	20	100.0	328	10	US-09-882-945A-242	Sequence 242, App	c 214	20	100.0	8638	13	US-10-029-907-7	Sequence 7, Appl
c 142	20	100.0	328	10	US-09-882-945A-245	Sequence 245, App	c 215	20	100.0	8638	13	US-10-029-907-24	Sequence 24, Appl
c 143	20	100.0	328	20	US-10-475-024-18	Sequence 18, Appl	c 216	20	100.0	8638	15	US-10-029-907-25	Sequence 25, Appl
c 144	20	100.0	328	20	US-10-807-114-240	Sequence 240, App	c 217	20	100.0	8638	15	US-10-309-561-6	Sequence 6, Appl
c 145	20	100.0	328	20	US-10-807-114-242	Sequence 242, App	c 218	20	100.0	8638	15	US-10-309-561-7	Sequence 7, Appl
c 146	20	100.0	328	20	US-10-807-114-245	Sequence 245, App	c 219	20	100.0	8638	15	US-10-309-561-24	Sequence 24, Appl
c 147	20	100.0	328	22	US-10-475-026-18	Sequence 18, Appl	c 220	20	100.0	8638	15	US-10-309-561-25	Sequence 25, Appl
c 148	20	100.0	337	10	US-09-940-244-45	Sequence 45, Appl	c 221	20	100.0	8638	19	US-10-789-355-6	Sequence 6, Appl
c 149	20	100.0	337	10	US-09-982-667-56	Sequence 56, Appl	c 222	20	100.0	8638	19	US-10-789-355-7	Sequence 7, Appl
c 150	20	100.0	337	12	US-09-733-622A-45	Sequence 45, Appl	c 223	20	100.0	8638	19	US-10-789-355-24	Sequence 24, Appl
c 151	20	100.0	337	13	US-10-033-297-45	Sequence 45, Appl	c 224	20	100.0	8638	19	US-10-789-355-25	Sequence 25, Appl
c 152	20	100.0	337	13	US-10-081-806-56	Sequence 56, Appl	c 225	20	100.0	8638	20	US-10-686-835-6	Sequence 6, Appl
c 153	20	100.0	337	16	US-10-142-283-136	Sequence 136, App	c 226	20	100.0	8638	20	US-10-686-835-7	Sequence 7, Appl

c 227	20	100.0	8638	20	US-10-686-835-24	Sequence 24, Appl	c 300	19	95.0	177	9	US-09-294-121A-69	Sequence 69, Appl
c 228	20	100.0	8638	20	US-10-686-835-25	Sequence 25, Appl	c 301	19	95.0	177	9	US-09-294-121A-70	Sequence 70, Appl
c 229	20	100.0	8639	13	US-10-029-907-1	Sequence 1, Appl	c 302	19	95.0	177	9	US-09-294-121A-72	Sequence 72, Appl
c 230	20	100.0	8639	15	US-10-309-561-1	Sequence 1, Appl	c 303	19	95.0	177	9	US-09-294-121A-73	Sequence 73, Appl
c 231	20	100.0	8639	19	US-10-789-355-1	Sequence 1, Appl	c 304	19	95.0	177	9	US-09-294-121A-74	Sequence 74, Appl
c 232	20	100.0	8639	20	US-10-686-835-1	Sequence 1, Appl	c 305	19	95.0	177	9	US-09-294-121A-75	Sequence 75, Appl
c 233	20	100.0	8642	13	US-10-029-907-2	Sequence 2, Appl	c 306	19	95.0	177	9	US-09-294-121A-76	Sequence 76, Appl
c 234	20	100.0	8642	15	US-10-309-561-2	Sequence 2, Appl	c 307	19	95.0	177	9	US-09-294-121A-77	Sequence 77, Appl
c 235	20	100.0	8642	19	US-10-789-355-2	Sequence 2, Appl	c 308	19	95.0	177	9	US-09-294-121A-78	Sequence 78, Appl
c 236	20	100.0	8642	20	US-10-686-835-2	Sequence 2, Appl	c 309	19	95.0	177	9	US-09-294-121A-79	Sequence 79, Appl
c 237	20	100.0	8643	13	US-10-029-907-4	Sequence 4, Appl	c 310	19	95.0	177	9	US-09-294-121A-80	Sequence 80, Appl
c 238	20	100.0	8643	15	US-10-309-561-4	Sequence 4, Appl	c 311	19	95.0	177	9	US-09-899-082A-57	Sequence 57, Appl
c 239	20	100.0	8643	19	US-10-789-355-4	Sequence 4, Appl	c 312	19	95.0	177	9	US-09-899-082A-58	Sequence 58, Appl
c 240	20	100.0	8643	20	US-10-686-835-4	Sequence 4, Appl	c 313	19	95.0	177	9	US-09-899-082A-61	Sequence 61, Appl
c 241	20	100.0	8648	13	US-10-029-907-5	Sequence 5, Appl	c 314	19	95.0	177	9	US-09-899-082A-62	Sequence 62, Appl
c 242	20	100.0	8648	15	US-10-309-561-5	Sequence 5, Appl	c 315	19	95.0	177	9	US-09-899-082A-65	Sequence 65, Appl
c 243	20	100.0	8648	19	US-10-789-355-5	Sequence 5, Appl	c 316	19	95.0	177	9	US-09-899-082A-66	Sequence 66, Appl
c 244	20	100.0	8648	20	US-10-686-835-5	Sequence 5, Appl	c 317	19	95.0	177	9	US-09-899-082A-67	Sequence 67, Appl
c 245	20	100.0	8732	22	US-10-510-912-1	Sequence 1, Appl	c 318	19	95.0	177	9	US-09-899-082A-68	Sequence 68, Appl
c 246	20	100.0	9353	20	US-10-475-024-17	Sequence 17, Appl	c 319	19	95.0	177	9	US-09-899-082A-69	Sequence 69, Appl
c 247	20	100.0	9365	10	US-09-827-688-7	Sequence 7, Appl	c 320	19	95.0	177	9	US-09-899-082A-70	Sequence 70, Appl
c 248	20	100.0	9379	9	US-09-916-359-1	Sequence 1, Appl	c 321	19	95.0	177	9	US-09-899-082A-72	Sequence 72, Appl
c 249	20	100.0	9401	19	US-10-445-724-1	Sequence 1, Appl	c 322	19	95.0	177	9	US-09-899-082A-73	Sequence 73, Appl
c 250	20	100.0	9413	10	US-09-827-688-6	Sequence 6, Appl	c 323	19	95.0	177	9	US-09-899-082A-74	Sequence 74, Appl
c 251	20	100.0	9413	22	US-10-475-026-17	Sequence 17, Appl	c 324	19	95.0	177	9	US-09-899-082A-75	Sequence 75, Appl
c 252	20	100.0	9416	9	US-09-238-076-19	Sequence 19, Appl	c 325	19	95.0	177	9	US-09-899-082A-76	Sequence 76, Appl
c 253	20	100.0	9416	9	US-09-929-955-13	Sequence 13, Appl	c 326	19	95.0	177	9	US-09-899-082A-77	Sequence 77, Appl
c 254	20	100.0	9416	10	US-09-995-937-19	Sequence 19, Appl	c 327	19	95.0	177	9	US-09-899-082A-78	Sequence 78, Appl
c 255	20	100.0	9416	10	US-09-917-563-19	Sequence 19, Appl	c 328	19	95.0	177	9	US-09-899-082A-79	Sequence 79, Appl
c 256	20	100.0	9416	13	US-10-104-966-13	Sequence 13, Appl	c 329	19	95.0	177	9	US-09-899-082A-80	Sequence 80, Appl
c 257	20	100.0	9416	18	US-10-719-619-13	Sequence 13, Appl	c 330	19	95.0	177	9	US-09-899-302-57	Sequence 57, Appl
c 258	20	100.0	9416	20	US-10-817-591-13	Sequence 13, Appl	c 331	19	95.0	177	9	US-09-899-302-58	Sequence 58, Appl
c 259	20	100.0	9599	18	US-10-189-359-13	Sequence 13, Appl	c 332	19	95.0	177	9	US-09-899-302-61	Sequence 61, Appl
c 260	20	100.0	9605	18	US-10-467-000-2	Sequence 2, Appl	c 333	19	95.0	177	9	US-09-899-302-62	Sequence 62, Appl
c 261	20	100.0	9609	19	US-10-333-449A-33	Sequence 33, Appl	c 334	19	95.0	177	9	US-09-899-302-65	Sequence 65, Appl
c 262	20	100.0	9622	9	US-10-475-989-2	Sequence 2, Appl	c 335	19	95.0	177	9	US-09-899-302-66	Sequence 66, Appl
c 263	20	100.0	9646	19	US-09-742-659-3	Sequence 3, Appl	c 336	19	95.0	177	9	US-09-899-302-67	Sequence 67, Appl
c 264	20	100.0	9646	9	US-09-238-076-1	Sequence 1, Appl	c 337	19	95.0	177	9	US-09-899-302-68	Sequence 68, Appl
c 265	20	100.0	9646	10	US-09-995-937-1	Sequence 1, Appl	c 338	19	95.0	177	9	US-09-899-302-69	Sequence 69, Appl
c 266	20	100.0	9646	10	US-09-917-563-1	Sequence 1, Appl	c 339	19	95.0	177	9	US-09-899-302-70	Sequence 70, Appl
c 267	20	100.0	10690	14	US-10-125-940-1	Sequence 1, Appl	c 340	19	95.0	177	9	US-09-899-302-72	Sequence 72, Appl
c 268	20	100.0	10690	16	US-10-125-940-1	Sequence 1, Appl	c 341	19	95.0	177	9	US-09-899-302-73	Sequence 73, Appl
c 269	20	100.0	10690	18	US-10-467-000-3	Sequence 3, Appl	c 342	19	95.0	177	9	US-09-899-302-74	Sequence 74, Appl
c 270	20	100.0	10803	9	US-09-747-419-17	Sequence 17, Appl	c 343	19	95.0	177	9	US-09-899-302-75	Sequence 75, Appl
c 271	20	100.0	10803	15	US-10-259-275-17	Sequence 17, Appl	c 344	19	95.0	177	9	US-09-899-302-76	Sequence 76, Appl
c 272	20	100.0	10803	24	US-11-006-313-17	Sequence 17, Appl	c 345	19	95.0	177	9	US-09-899-302-77	Sequence 77, Appl
c 273	20	100.0	12305	20	US-10-422-323A-2	Sequence 2, Appl	c 346	19	95.0	177	9	US-09-899-302-78	Sequence 78, Appl
c 274	20	100.0	12315	20	US-10-422-323A-1	Sequence 1, Appl	c 347	19	95.0	177	9	US-09-899-302-79	Sequence 79, Appl
c 275	20	100.0	12980	9	US-09-238-076-5	Sequence 5, Appl	c 348	19	95.0	177	9	US-09-899-302-80	Sequence 80, Appl
c 276	20	100.0	12980	10	US-09-995-937-5	Sequence 5, Appl	c 349	19	95.0	177	10	US-09-899-044-57	Sequence 57, Appl
c 277	20	100.0	12980	10	US-09-917-563-5	Sequence 5, Appl	c 350	19	95.0	177	10	US-09-899-044-58	Sequence 58, Appl
c 278	19	95.0	19	8	US-08-887-505-111	Sequence 111, App	c 351	19	95.0	177	10	US-09-899-044-61	Sequence 61, Appl
c 279	19	95.0	19	8	US-08-887-505-114	Sequence 114, App	c 352	19	95.0	177	10	US-09-899-044-62	Sequence 62, Appl
c 280	19	95.0	19	9	US-09-930-781-2	Sequence 2, Appl	c 353	19	95.0	177	10	US-09-899-044-65	Sequence 65, Appl
c 281	19	95.0	19	15	US-10-255-395-2	Sequence 2, Appl	c 354	19	95.0	177	10	US-09-899-044-66	Sequence 66, Appl
c 282	19	95.0	19	20	US-10-667-271-158	Sequence 158, App	c 355	19	95.0	177	10	US-09-899-044-67	Sequence 67, Appl
c 283	19	95.0	19	20	US-10-667-271-166	Sequence 166, App	c 356	19	95.0	177	10	US-09-899-044-68	Sequence 68, Appl
c 284	19	95.0	19	20	US-10-667-271-834	Sequence 834, App	c 357	19	95.0	177	10	US-09-899-044-69	Sequence 69, Appl
c 285	19	95.0	19	20	US-10-667-271-862	Sequence 862, App	c 358	19	95.0	177	10	US-09-899-044-70	Sequence 70, Appl
c 286	19	95.0	19	21	US-10-819-564-2	Sequence 2, Appl	c 359	19	95.0	177	10	US-09-899-044-72	Sequence 72, Appl
c 287	19	95.0	19	22	US-10-943-560-158	Sequence 158, App	c 360	19	95.0	177	10	US-09-899-044-73	Sequence 73, Appl
c 288	19	95.0	19	22	US-10-943-560-166	Sequence 166, App	c 361	19	95.0	177	10	US-09-899-044-74	Sequence 74, Appl
c 289	19	95.0	19	22	US-10-942-560-854	Sequence 854, App	c 362	19	95.0	177	10	US-09-899-044-75	Sequence 75, Appl
c 290	19	95.0	19	22	US-10-942-560-862	Sequence 862, App	c 363	19	95.0	177	10	US-09-899-044-76	Sequence 76, Appl
c 291	19	95.0	40	19	US-10-318-416B-25	Sequence 25, Appl	c 364	19	95.0	177	10	US-09-899-044-77	Sequence 77, Appl
c 292	19	95.0	177	9	US-09-294-121A-57	Sequence 57, Appl	c 365	19	95.0	177	10	US-09-899-044-78	Sequence 78, Appl
c 293	19	95.0	177	9	US-09-294-121A-58	Sequence 58, Appl	c 366	19	95.0	177	10	US-09-899-044-79	Sequence 79, Appl
c 294	19	95.0	177	9	US-09-294-121A-61	Sequence 61, Appl	c 367	19	95.0	177	10	US-09-899-044-80	Sequence 80, Appl
c 295	19	95.0	177	9	US-09-294-121A-62	Sequence 62, Appl	c 368	19	95.0	177	19	US-10-822-711-57	Sequence 57, Appl
c 296	19	95.0	177	9	US-09-294-121A-65	Sequence 65, Appl	c 369	19	95.0	177	19	US-10-822-711-58	Sequence 58, Appl
c 297	19	95.0	177	9	US-09-294-121A-66	Sequence 66, Appl	c 370	19	95.0	177	19	US-10-822-711-61	Sequence 61, Appl
c 298	19	95.0	177	9	US-09-294-121A-67	Sequence 67, Appl	c 371	19	95.0	177	19	US-10-822-711-62	Sequence 62, Appl
c 299	19	95.0	177	9	US-09-294-121A-68	Sequence 68, Appl	c 372	19	95.0	177	19	US-10-822-711-65	Sequence 65, Appl

665	13	65.0	761	13	US-10-062-254-195	Sequence 195, App	c 738	13	65.0	6381	24	US-11-097-143-21862	Sequence 21862, A
666	13	65.0	774	13	US-10-027-632-16704	Sequence 16704, A	739	13	65.0	7002	24	US-11-097-143-11741	Sequence 11741, A
667	13	65.0	774	13	US-10-027-632-16705	Sequence 16705, A	c 740	13	65.0	7018	17	US-10-062-1674-1565	Sequence 1565, App
668	13	65.0	774	13	US-10-027-632-16706	Sequence 16706, A	c 741	13	65.0	7162	24	US-11-097-143-3736	Sequence 3736, App
669	13	65.0	774	17	US-10-027-632-16704	Sequence 16704, A	c 742	13	65.0	7297	24	US-11-097-143-21895	Sequence 21895, A
670	13	65.0	774	17	US-10-027-632-16705	Sequence 16705, A	c 743	13	65.0	10637	24	US-11-097-143-11740	Sequence 11740, A
671	13	65.0	774	17	US-10-027-632-16706	Sequence 16706, A	c 744	13	65.0	12046	15	US-10-311-455-1606	Sequence 1606, App
672	13	65.0	775	13	Sequence 104257,	Sequence 104257,	c 745	13	65.0	14756	15	US-10-017-161-2171	Sequence 2171, App
673	13	65.0	775	13	Sequence 325234,	Sequence 325234,	c 746	13	65.0	14756	17	US-10-292-798-1817	Sequence 1817, App
674	13	65.0	775	17	US-10-027-632-104257	Sequence 104257,	c 747	13	65.0	17131	15	US-10-311-455-1025	Sequence 1025, App
675	13	65.0	775	17	US-10-027-632-325234	Sequence 325234,	c 748	13	65.0	17220	20	US-10-602-494-184	Sequence 184, App
c 676	13	65.0	876	20	US-10-363-345A-25375	Sequence 25375, A	749	13	65.0	25871	21	US-10-741-600-17660	Sequence 17660, A
c 677	13	65.0	876	20	US-10-363-345A-25376	Sequence 25376, A	c 750	13	65.0	32328	24	US-11-097-143-12232	Sequence 12232, A
678	13	65.0	876	21	US-10-363-483A-25375	Sequence 25375, A	c 751	13	65.0	36471	22	US-10-915-740A-1	Sequence 1, Appli
679	13	65.0	876	21	US-10-363-483A-25376	Sequence 25376, A	c 752	13	65.0	49829	13	US-10-087-192-1531	Sequence 1531, App
680	13	65.0	948	18	US-10-425-114-21574	Sequence 21574, A	753	13	65.0	54732	19	US-10-322-281-414	Sequence 414, App
c 681	13	65.0	960	17	US-10-282-122A-32602	Sequence 32602, A	c 754	13	65.0	58909	18	US-10-672-787-30	Sequence 30, Appl
c 682	13	65.0	1094	13	US-10-027-632-31865	Sequence 31865, A	c 755	13	65.0	58948	19	US-10-322-281-296	Sequence 296, App
c 683	13	65.0	1094	13	US-10-027-632-31866	Sequence 31866, A	c 756	13	65.0	68571	17	US-10-401-194-1	Sequence 1, Appli
c 684	13	65.0	1094	17	US-10-027-632-31865	Sequence 31865, A	c 757	13	65.0	98300	22	US-10-742-939-2	Sequence 2, Appli
c 685	13	65.0	1094	17	US-10-027-632-31866	Sequence 31866, A	c 758	13	65.0	104900	21	US-10-461-862-64	Sequence 64, Appl
c 686	13	65.0	1162	20	US-10-363-345A-36831	Sequence 36831, A	c 759	13	65.0	107280	19	US-10-322-281-155	Sequence 155, App
c 687	13	65.0	1162	20	US-10-363-345A-36832	Sequence 36832, A	760	13	65.0	129297	22	US-10-737-082-89	Sequence 89, Appl
c 688	13	65.0	1162	21	US-10-363-483A-36831	Sequence 36831, A	761	13	65.0	129297	22	US-10-765-790-89	Sequence 89, Appl
c 689	13	65.0	1162	21	US-10-363-483A-36832	Sequence 36832, A	762	13	65.0	149062	19	US-10-367-094-93	Sequence 93, Appl
690	13	65.0	1173	9	US-09-938-842A-883	Sequence 883, App	c 763	13	65.0	216929	19	US-10-741-601-5727	Sequence 5727, App
691	13	65.0	1173	11	US-09-938-842A-883	Sequence 883, App	c 764	13	65.0	347001	19	US-10-319-908-16	Sequence 16, Appl
692	13	65.0	1205	18	US-10-425-114-21667	Sequence 21667, A	c 765	13	65.0	430442	20	US-10-417-375-128	Sequence 128, App
c 693	13	65.0	1281	20	US-10-363-345A-30697	Sequence 30697, A	c 766	13	65.0	653458	21	US-10-461-862-4	Sequence 4, Appli
c 694	13	65.0	1281	20	US-10-363-345A-30698	Sequence 30698, A	c 767	13	65.0	786452	20	US-10-719-993-6822	Sequence 6822, App
c 695	13	65.0	1281	21	US-10-363-483A-30697	Sequence 30697, A	768	13	65.0	2242716	22	US-10-915-740A-1068	Sequence 1068, App
c 696	13	65.0	1281	21	US-10-363-483A-30698	Sequence 30698, A	769	13	65.0	2731748	19	US-10-297-465A-1	Sequence 1, Appli
c 697	13	65.0	1296	17	US-10-282-122A-17375	Sequence 17375, A	c 770	13	65.0	2940917	13	US-10-027-632-174763	Sequence 174763, App
698	13	65.0	1533	20	US-10-425-115-56490	Sequence 56490, A	c 771	13	65.0	2940917	17	US-10-027-632-174763	Sequence 174763, App
699	13	65.0	1599	15	US-10-324-985A-3	Sequence 3, Appli	c 772	13	65.0	3673778	16	US-10-312-841-1	Sequence 1, Appli
700	13	65.0	1599	18	US-10-641-643-1004	Sequence 1004, App	c 773	12	60.0	12	8	US-08-887-505-101	Sequence 101, Appl
c 701	13	65.0	1701	21	US-10-482-834A-38	Sequence 38, Appl	774	12	60.0	12	20	US-10-257-017B-319061	Sequence 319061, App
702	13	65.0	1715	15	US-10-007-926A-254	Sequence 254, App	c 775	12	60.0	12	10	US-09-740-332-4609	Sequence 4609, App
c 703	13	65.0	1715	21	US-10-735-461-23	Sequence 23, Appl	c 776	12	60.0	13	10	US-09-817-879-4609	Sequence 4609, App
c 704	13	65.0	1771	21	US-10-275-858A-1	Sequence 1, Appli	c 777	12	60.0	13	10	US-09-817-879-4609	Sequence 4609, App
c 705	13	65.0	1771	21	US-10-482-834A-35	Sequence 35, Appl	c 778	12	60.0	13	19	US-10-669-841-7202	Sequence 7202, App
c 706	13	65.0	1771	21	US-10-482-834A-36	Sequence 36, Appl	c 779	12	60.0	13	20	US-10-257-017B-87861	Sequence 87861, A
c 707	13	65.0	1771	21	US-10-482-834A-37	Sequence 37, Appl	c 780	12	60.0	13	20	US-10-257-017B-87862	Sequence 87862, A
c 708	13	65.0	1771	21	US-10-482-834A-45	Sequence 45, Appl	c 781	12	60.0	13	9	US-09-504-231A-38	Sequence 38, Appl
c 709	13	65.0	1771	21	US-10-482-834A-46	Sequence 46, Appl	c 782	12	60.0	15	9	US-09-504-231A-1547	Sequence 1547, App
c 710	13	65.0	1771	21	US-10-482-834A-47	Sequence 47, Appl	c 783	12	60.0	15	9	US-09-274-553D-38	Sequence 38, Appl
c 711	13	65.0	1771	21	US-10-482-834A-48	Sequence 48, Appl	784	12	60.0	15	9	US-09-274-553D-1547	Sequence 1547, App
c 712	13	65.0	1771	21	US-10-482-834A-49	Sequence 49, Appl	c 785	12	60.0	15	10	US-09-740-332-4587	Sequence 4587, App
c 713	13	65.0	1771	21	US-10-482-834A-134	Sequence 134, App	c 786	12	60.0	15	10	US-09-817-879-4587	Sequence 4587, App
c 714	13	65.0	1947	17	US-10-421-175-3	Sequence 3, Appli	c 787	12	60.0	15	19	US-10-669-841-7180	Sequence 7180, App
715	13	65.0	1957	17	US-10-094-749-649	Sequence 649, App	788	12	60.0	17	10	US-09-740-332-4496	Sequence 4496, App
716	13	65.0	1964	18	US-10-424-599-38735	Sequence 38735, A	789	12	60.0	17	10	US-09-740-332-4500	Sequence 4500, App
c 717	13	65.0	2112	19	US-10-115-635-348	Sequence 348, App	790	12	60.0	17	10	US-09-817-879-4496	Sequence 4496, App
c 718	13	65.0	2448	15	US-10-349-836-13	Sequence 13, Appl	791	12	60.0	17	10	US-09-817-879-4500	Sequence 4500, App
c 719	13	65.0	2450	9	US-09-892-985-9	Sequence 9, Appli	792	12	60.0	17	19	US-10-669-841-7089	Sequence 7089, App
720	13	65.0	2562	19	US-10-322-281-415	Sequence 415, App	c 793	12	60.0	17	19	US-10-669-841-7093	Sequence 7093, App
721	13	65.0	2583	22	US-10-450-763-20291	Sequence 20291, A	c 794	12	60.0	18	20	US-10-473-126-1004	Sequence 1040, App
722	13	65.0	3183	17	US-10-094-749-188	Sequence 188, App	795	12	60.0	18	21	US-10-478-633A-90	Sequence 90, Appl
723	13	65.0	3329	9	US-09-858-081-8	Sequence 8, Appli	c 796	12	60.0	18	21	US-10-478-633A-84	Sequence 84, Appl
724	13	65.0	3402	9	US-09-858-068-3	Sequence 3, Appli	c 797	12	60.0	19	20	US-10-667-271-167	Sequence 167, App
725	13	65.0	3403	9	US-09-858-081-1	Sequence 1, Appli	c 798	12	60.0	19	20	US-10-667-271-188	Sequence 188, App
726	13	65.0	3403	9	US-09-858-068-1	Sequence 1, Appli	c 799	12	60.0	19	20	US-10-667-271-863	Sequence 863, App
727	13	65.0	3471	9	US-09-858-081-11	Sequence 11, Appl	800	12	60.0	19	22	US-10-667-271-884	Sequence 884, App
728	13	65.0	3571	18	US-10-302-172-411	Sequence 411, App	c 801	12	60.0	19	22	US-10-942-560-167	Sequence 167, App
729	13	65.0	3661	15	US-10-128-714-5248	Sequence 5248, App	c 802	12	60.0	19	22	US-10-942-560-188	Sequence 188, App
c 730	13	65.0	4146	21	US-10-831-070-187	Sequence 187, App	803	12	60.0	19	22	US-10-942-560-863	Sequence 863, App
731	13	65.0	4253	18	US-10-467-042-25	Sequence 25, Appl	804	12	60.0	19	22	US-10-942-560-884	Sequence 884, App
732	13	65.0	4253	24	US-11-046-868-25	Sequence 25, Appl	805	12	60.0	20	8	US-08-887-505-32	Sequence 32, Appl
733	13	65.0	5433	24	US-11-097-143-3737	Sequence 3737, App	806	12	60.0	25	15	US-10-098-263B-25517	Sequence 25517, A
c 734	13	65.0	5878	15	US-10-311-455-1513	Sequence 1513, App	807	12	60.0	25	15	US-10-098-263B-54575	Sequence 54575, A
c 735	13	65.0	5883	15	US-10-311-455-1706	Sequence 1706, App	808	12	60.0	25	15	US-10-098-263B-55203	Sequence 55203, A
c 736	13	65.0	5891	15	US-10-311-455-1412	Sequence 1412, App	809	12	60.0	25	15	US-10-098-263B-117494	Sequence 117494, App
c 737	13	65.0	6352	17	US-10-221-613-195	Sequence 195, App	810	12	60.0	25	21	US-10-719-900-573556	Sequence 573556, App

811	12	60.0	25	21	US-10-719-900-904565	Sequence 904565,	C 884	12	60.0	456	18	US-10-424-599-73674	Sequence 73674, A
C 812	12	60.0	25	21	US-10-809-189-81134	Sequence 81134, A	C 885	12	60.0	456	18	US-10-424-599-79904	Sequence 79904, A
C 813	12	60.0	25	21	US-10-809-189-81135	Sequence 81135, A	C 886	12	60.0	470	9	US-09-764-847-1658	Sequence 1658, Ap
C 814	12	60.0	25	21	US-10-809-189-81146	Sequence 81146, A	C 887	12	60.0	470	14	US-10-092-154-1658	Sequence 1658, Ap
C 815	12	60.0	25	21	US-10-809-189-81147	Sequence 81147, A	C 888	12	60.0	470	17	US-10-242-355-1177	Sequence 1177, Ap
C 816	12	60.0	25	21	US-10-809-189-81148	Sequence 81148, A	C 889	12	60.0	470	17	US-10-242-355-1178	Sequence 1178, Ap
C 817	12	60.0	25	22	US-10-719-956-14288	Sequence 14288, A	C 890	12	60.0	470	18	US-10-424-599-139662	Sequence 139662, A
C 818	12	60.0	25	22	US-10-719-956-202005	Sequence 202005,	C 891	12	60.0	473	17	US-10-242-355-279	Sequence 279, App
C 819	12	60.0	25	22	US-10-719-956-252952	Sequence 252952,	C 892	12	60.0	476	17	US-10-242-355A-42162	Sequence 42162, A
C 820	12	60.0	25	22	US-10-719-956-290644	Sequence 290644,	C 893	12	60.0	476	18	US-10-085-783A-42162	Sequence 42162, A
C 821	12	60.0	25	22	US-10-719-956-409780	Sequence 409780,	C 894	12	60.0	476	19	US-10-021-323-17164	Sequence 17164, A
C 822	12	60.0	25	22	US-10-719-956-589759	Sequence 589759,	C 895	12	60.0	483	14	US-10-060-036-920	Sequence 920, App
C 823	12	60.0	25	24	US-11-036-317-712029	Sequence 712029,	C 896	12	60.0	487	18	US-10-424-599-108350	Sequence 108350,
C 824	12	60.0	25	24	US-11-036-317-731774	Sequence 731774,	C 897	12	60.0	487	20	US-10-425-115-105568	Sequence 105568,
C 825	12	60.0	47	18	US-10-035-833A-4126	Sequence 4126, Ap	C 898	12	60.0	488	18	US-10-424-599-87943	Sequence 87943, A
C 826	12	60.0	15	16	US-10-032-585-2034	Sequence 2034, Ap	C 899	12	60.0	498	10	US-09-918-985-9365	Sequence 9365, Ap
C 827	12	60.0	13	18	US-10-424-599-8447	Sequence 8447, Ap	C 900	12	60.0	501	9	US-09-783-590-7523	Sequence 7523, Ap
C 828	12	60.0	16	20	US-10-425-115-104225	Sequence 104225,	C 901	12	60.0	504	11	US-09-969-034-1704	Sequence 1704, Ap
C 829	12	60.0	18	18	US-10-424-599-50098	Sequence 50098, A	C 902	12	60.0	513	14	US-10-026-741-95	Sequence 95, Appl
C 830	12	60.0	20	17	US-10-242-535A-46832	Sequence 46832, A	C 903	12	60.0	525	19	US-10-437-963-3400	Sequence 3400, Ap
C 831	12	60.0	20	18	US-10-085-783A-46832	Sequence 46832, A	C 904	12	60.0	531	16	US-10-029-386-5616	Sequence 5616, Ap
C 832	12	60.0	20	18	US-10-719-993-28352	Sequence 28352, A	C 905	12	60.0	532	18	US-10-424-599-54432	Sequence 54432, A
C 833	12	60.0	20	20	US-10-719-993-53381	Sequence 53381, A	C 906	12	60.0	532	19	US-10-767-701-2155	Sequence 2155, Ap
C 834	12	60.0	20	21	US-10-741-600-55048	Sequence 55048, A	C 907	12	60.0	537	20	US-10-363-345A-14785	Sequence 14785, A
C 835	12	60.0	20	16	US-10-029-386-19372	Sequence 19372, A	C 908	12	60.0	537	20	US-10-363-345A-14786	Sequence 14786, A
C 836	12	60.0	20	16	US-10-425-115-25659	Sequence 25659, A	C 909	12	60.0	537	21	US-10-363-483A-14785	Sequence 14785, A
C 837	12	60.0	20	18	US-10-275-026A-199	Sequence 199, App	C 910	12	60.0	537	21	US-10-363-483A-14786	Sequence 14786, A
C 838	12	60.0	21	20	US-10-425-115-68856	Sequence 68856, A	C 911	12	60.0	538	19	US-10-021-323-13204	Sequence 13204, A
C 839	12	60.0	21	20	US-10-425-115-66260	Sequence 66260, A	C 912	12	60.0	540	20	US-10-363-345A-36087	Sequence 36087, A
C 840	12	60.0	23	18	US-10-424-599-119940	Sequence 119940,	C 913	12	60.0	540	20	US-10-363-345A-36088	Sequence 36088, A
C 841	12	60.0	24	20	US-10-425-115-33472	Sequence 33472, A	C 914	12	60.0	540	21	US-10-363-483A-36087	Sequence 36087, A
C 842	12	60.0	24	9	US-09-864-761-21502	Sequence 21502, A	C 915	12	60.0	540	21	US-10-363-483A-36088	Sequence 36088, A
C 843	12	60.0	26	19	US-10-437-963-22473	Sequence 22473, A	C 916	12	60.0	544	13	US-10-027-632-92535	Sequence 92535, A
C 844	12	60.0	26	9	US-09-732-560-106	Sequence 106, App	C 917	12	60.0	544	13	US-10-027-632-307633	Sequence 307633,
C 845	12	60.0	28	19	US-10-437-963-96919	Sequence 96919, A	C 918	12	60.0	544	17	US-10-027-632-307633	Sequence 307633,
C 846	12	60.0	28	18	US-10-424-599-33794	Sequence 33794, A	C 919	12	60.0	544	17	US-10-027-632-307633	Sequence 307633,
C 847	12	60.0	27	20	US-10-425-115-133389	Sequence 133389,	C 920	12	60.0	548	9	US-09-998-598-302	Sequence 302, App
C 848	12	60.0	27	9	US-09-563-817-486	Sequence 486, App	C 921	12	60.0	548	19	US-10-021-323-13115	Sequence 13115, A
C 849	12	60.0	28	18	US-10-424-599-97382	Sequence 97382, A	C 922	12	60.0	550	9	US-09-998-598-1042	Sequence 1042, Ap
C 850	12	60.0	28	19	US-10-767-701-17546	Sequence 17546, A	C 923	12	60.0	554	19	US-10-437-963-27812	Sequence 27812, A
C 851	12	60.0	29	20	US-10-425-115-137168	Sequence 137168,	C 924	12	60.0	555	9	US-09-811-284-24	Sequence 24, Appl
C 852	12	60.0	31	20	US-10-425-115-17829	Sequence 17829, A	C 925	12	60.0	555	13	US-10-027-632-91619	Sequence 91619, A
C 853	12	60.0	31	20	US-10-425-115-147841	Sequence 147841,	C 926	12	60.0	555	17	US-10-027-632-91619	Sequence 91619, A
C 854	12	60.0	31	20	US-09-803-719-1583	Sequence 1583, Ap	C 927	12	60.0	557	19	US-10-021-323-13604	Sequence 13604, A
C 855	12	60.0	33	20	US-10-425-115-143680	Sequence 143680,	C 928	12	60.0	558	19	US-10-767-701-20602	Sequence 20602, A
C 856	12	60.0	32	18	US-10-627-476-93	Sequence 93, Appl	C 929	12	60.0	563	10	US-09-814-353-19518	Sequence 19518, A
C 857	12	60.0	33	19	US-10-437-963-97454	Sequence 97454, A	C 930	12	60.0	570	16	US-10-029-386-9991	Sequence 9991, Ap
C 858	12	60.0	33	20	US-10-425-115-109646	Sequence 109646,	C 931	12	60.0	571	19	US-10-021-323-15651	Sequence 15651, A
C 859	12	60.0	33	20	US-10-425-115-74118	Sequence 74118, A	C 932	12	60.0	576	20	US-10-363-345A-20923	Sequence 20923, A
C 860	12	60.0	33	20	US-10-425-115-120464	Sequence 120464,	C 933	12	60.0	576	20	US-10-363-345A-20924	Sequence 20924, A
C 861	12	60.0	33	10	US-09-814-353-845	Sequence 845, App	C 934	12	60.0	576	21	US-10-363-483A-20923	Sequence 20923, A
C 862	12	60.0	33	10	US-09-814-353-7217	Sequence 7217, Ap	C 935	12	60.0	576	21	US-10-363-483A-20924	Sequence 20924, A
C 863	12	60.0	34	20	US-10-425-115-120304	Sequence 120304,	C 936	12	60.0	579	20	US-10-425-115-67069	Sequence 67069, A
C 864	12	60.0	34	18	US-10-424-599-11234	Sequence 11234, A	C 937	12	60.0	581	20	US-10-425-115-1704	Sequence 1704, Ap
C 865	12	60.0	34	18	US-10-424-599-52443	Sequence 52443, A	C 938	12	60.0	582	13	US-10-027-632-270838	Sequence 270838,
C 866	12	60.0	34	18	US-10-424-599-97650	Sequence 97650, A	C 939	12	60.0	582	17	US-10-027-632-270838	Sequence 270838,
C 867	12	60.0	33	20	US-10-425-115-125433	Sequence 125433,	C 940	12	60.0	582	18	US-10-424-599-5319	Sequence 5319, Ap
C 868	12	60.0	35	18	US-10-424-599-73000	Sequence 73000, A	C 941	12	60.0	583	17	US-10-389-566-127	Sequence 127, App
C 869	12	60.0	35	15	US-10-046-955-3	Sequence 3, Appl	C 942	12	60.0	583	20	US-10-425-115-109641	Sequence 109641,
C 870	12	60.0	37	20	US-10-425-115-36827	Sequence 36827, A	C 943	12	60.0	586	9	US-09-880-107-3483	Sequence 3483, Ap
C 871	12	60.0	37	20	US-10-425-115-46481	Sequence 46481, A	C 944	12	60.0	586	13	US-10-027-632-136577	Sequence 136577,
C 872	12	60.0	39	20	US-10-425-115-108535	Sequence 108535,	C 945	12	60.0	586	17	US-10-027-632-136577	Sequence 136577,
C 873	12	60.0	40	18	US-10-424-599-108535	Sequence 108535,	C 946	12	60.0	592	20	US-10-425-115-136185	Sequence 136185,
C 874	12	60.0	40	18	US-10-424-599-118001	Sequence 118001,	C 947	12	60.0	593	19	US-10-767-701-19452	Sequence 19452, A
C 875	12	60.0	41	17	US-10-282-122A-2335	Sequence 2335, Ap	C 948	12	60.0	600	22	US-10-972-079-38728	Sequence 38728, A
C 876	12	60.0	41	18	US-10-424-599-109366	Sequence 109366,	C 949	12	60.0	600	22	US-10-972-079-50892	Sequence 50892, A
C 877	12	60.0	41	20	US-10-425-115-128880	Sequence 128880,	C 950	12	60.0	600	22	US-10-972-079-67525	Sequence 67525, A
C 878	12	60.0	42	10	US-09-918-995-16555	Sequence 16555, A	C 951	12	60.0	600	22	US-10-972-079-71802	Sequence 71802, A
C 879	12	60.0	42	20	US-10-653-047-1335	Sequence 1335, Ap	C 952	12	60.0	601	22	US-10-893-315-897	Sequence 897, App
C 880	12	60.0	43	19	US-10-437-963-41745	Sequence 41745, A	C 953	12	60.0	603	19	US-10-021-323-13606	Sequence 13606, A
C 881	12	60.0	44	20	US-10-425-115-39288	Sequence 39288, A	C 954	12	60.0	603	20	US-10-653-047-1261	Sequence 1261, Ap
C 882	12	60.0	44	19	US-10-437-963-42132	Sequence 42132, A	C 955	12	60.0	604	20	US-10-363-345A-19575	Sequence 19575, A
C 883	12	60.0	44	20	US-10-425-115-37007	Sequence 37007, A	C 956	12	60.0	604	20	US-10-363-345A-19576	Sequence 19576, A

c 957 12 60.0 604 21 US-10-363-483A-19575
958 12 60.0 604 21 US-10-363-483A-19576
959 12 60.0 604 21 US-10-437-963-50241
c 960 12 60.0 611 13 US-10-027-632-198236
c 961 12 60.0 611 17 US-10-027-632-198236
c 962 12 60.0 614 20 US-10-363-345A-18775
963 12 60.0 614 20 US-10-363-345A-18776
964 12 60.0 614 20 US-10-363-345A-22779
965 12 60.0 614 20 US-10-363-345A-22779
c 966 12 60.0 614 21 US-10-363-483A-18775
967 12 60.0 614 21 US-10-363-483A-18776
c 968 12 60.0 614 21 US-10-363-483A-22779
969 12 60.0 614 21 US-10-363-483A-22780
c 970 12 60.0 624 13 US-10-027-632-179841
c 971 12 60.0 624 13 US-10-027-632-179842
c 972 12 60.0 624 17 US-10-027-632-179841
c 973 12 60.0 624 17 US-10-027-632-179842
c 974 12 60.0 629 13 US-10-027-632-306581
c 975 12 60.0 629 17 US-10-027-632-306581
c 976 12 60.0 633 13 US-10-027-632-253403
c 977 12 60.0 633 17 US-10-027-632-253403
c 978 12 60.0 635 20 US-10-363-345A-33523
979 12 60.0 635 20 US-10-363-345A-33524
c 980 12 60.0 635 21 US-10-363-483A-33523
981 12 60.0 635 21 US-10-363-483A-33524
c 982 12 60.0 636 20 US-10-363-345A-2101
983 12 60.0 636 20 US-10-363-345A-2102
c 984 12 60.0 636 21 US-10-363-483A-2101
985 12 60.0 636 21 US-10-363-483A-2102
c 986 12 60.0 645 18 US-10-425-114-19395
987 12 60.0 645 20 US-10-363-345A-31819
c 988 12 60.0 645 21 US-10-363-345A-31820
c 989 12 60.0 645 21 US-10-363-483A-31819
990 12 60.0 645 21 US-10-363-483A-31820
991 12 60.0 646 20 US-10-425-115-183881
c 992 12 60.0 648 19 US-10-767-795-724
993 12 60.0 649 19 US-10-767-795-2840
c 994 12 60.0 654 17 US-10-282-122A-14881
c 995 12 60.0 661 20 US-10-363-345A-22779
996 12 60.0 661 20 US-10-363-345A-2280
c 997 12 60.0 661 21 US-10-363-483A-2279
c 998 12 60.0 661 21 US-10-363-483A-2280
c 999 12 60.0 663 13 US-10-027-632-246892
c1000 12 60.0 663 17 US-10-027-632-246892

ALIGNMENTS

RESULT 1
US-08-887-505-28
; Sequence 28, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; APPLICANT: Walther, Debra M.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; TITLE OF INVENTION: HEPATITIS C VIRUS
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:

Sequence 19575, A
Sequence 19576, A
Sequence 50241, A
Sequence 198236,
Sequence 198236,
Sequence 18775, A
Sequence 18776, A
Sequence 22779, A
Sequence 22779, A
Sequence 22779, A
Sequence 18775, A
Sequence 18776, A
Sequence 22779, A
Sequence 22779, A
Sequence 179841,
Sequence 179841,
Sequence 179841,
Sequence 179842,
Sequence 306581,
Sequence 306581,
Sequence 253403,
Sequence 253403,
Sequence 33523, A
Sequence 33524, A
Sequence 33523, A
Sequence 33524, A
Sequence 33524, A
Sequence 2101, Ap
Sequence 2102, Ap
Sequence 2101, Ap
Sequence 2102, Ap
Sequence 19395, A
Sequence 31819, A
Sequence 31820, A
Sequence 31819, A
Sequence 31820, A
Sequence 183881,
Sequence 724, App
Sequence 2840, Ap
Sequence 14881, A
Sequence 2279, Ap
Sequence 2280, Ap
Sequence 2279, Ap
Sequence 2280, Ap
Sequence 246892,
Sequence 246892,

; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kermer, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 28:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
US-08-887-505-28

Query Match 100.0% Score 20; DB 8; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCACTACTC 20
|||||
Db 1 TTTCGGACCCCACTACTC 20
|||||

RESULT 2
US-08-887-505-119
; Sequence 119, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; APPLICANT: Walther, Debra M.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; TITLE OF INVENTION: HEPATITIS C VIRUS
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; COMPUTER READABLE FORM:

ATTORNEY/AGENT INFORMATION:
NAME: Kerner, Ann-Louise
REGISTRATION NUMBER: 33,523
REFERENCE/DOCKET NUMBER: HYZ-040CIP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 526-6000
TELEFAX: (617) 526-5000
INFORMATION FOR SEQ ID NO: 119:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA/RNA
HYPOTHETICAL: NO
ANTI-SENSE: YES
US-08-887-505-119

Query Match 100.0%; Score 20; DB 8; Length 20;
Best Local Similarity 95.0%; Pred. No. 0.019;
Matches 19; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20
Db 1 TTTCGGACCCCAACTACTC 20

RESULT 3
US-08-887-505-120
; Sequence 120, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Walther, Debra M.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 120:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid

STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA/RNA
HYPOTHETICAL: NO
ANTI-SENSE: YES
US-08-887-505-120

Query Match 100.0%; Score 20; DB 8; Length 20;
Best Local Similarity 95.0%; Pred. No. 0.019;
Matches 19; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20
Db 1 TTTCGGACCCCAACTACTC 20

RESULT 4
US-08-887-505-121
; Sequence 121, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; APPLICANT: Walther, Debra M.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; TITLE OF INVENTION: HEPATITIS C VIRUS
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 121:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA/RNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
US-08-887-505-121

Query Match 100.0%; Score 20; DB 8; Length 20;
Best Local Similarity 95.0%; Pred. No. 0.019;
Matches 19; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
 |||||
 Db 1 TTTCGGACCCCAACTACTC 20

RESULT 5

US-08-887-505-122
 ; Sequence 122, Application US/08887505
 ; Publication No. US20020081577A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Kilkuskie, Robert E.
 ; APPLICANT: Frank, Bruce L.
 ; APPLICANT: Goodchild, John
 ; APPLICANT: Wolfe, Jia L.
 ; APPLICANT: Roberts, Peter C.
 ; APPLICANT: Hamlin, Jr., Henry A.
 ; APPLICANT: Roberts, No. US20020081577A11 A.
 ; APPLICANT: Walther, Debra M.
 ; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
 ; TITLE OF INVENTION: HEPATITIS C VIRUS
 ; NUMBER OF SEQUENCES: 172
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Hale and Dorr LLP
 ; STREET: 60 State Street
 ; CITY: Boston
 ; STATE: MA
 ; COUNTRY: USA
 ; ZIP: 02109
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/887,505
 ; FILING DATE:
 ; CLASSIFICATION: 514
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/471,968
 ; FILING DATE: 06-JUN-1995
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Kerner, Ann-Louise
 ; REGISTRATION NUMBER: 33,523
 ; REFERENCE/DOCKET NUMBER: HYZ-040CIP
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (617) 526-6000
 ; TELEFAX: (617) 526-5000
 ; INFORMATION FOR SEQ ID NO: 122:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 20 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: DNA/RNA
 ; HYPOTHETICAL: NO
 ; ANTI-SENSE: YES
 ; US-08-887-505-122

Query Match 100.0%; Score 20; DB 8; Length 20;
 Best Local Similarity 80.0%; Pred. No. 0.019;
 Matches 16; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
 |||||
 Db 1 TTTCGGACCCCAACTACTC 20

RESULT 6

US-08-887-505-123
 ; Sequence 123, Application US/08887505
 ; Publication No. US20020081577A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Kilkuskie, Robert E.

; APPLICANT: Frank, Bruce L.
 ; APPLICANT: Goodchild, John
 ; APPLICANT: Wolfe, Jia L.
 ; APPLICANT: Roberts, Peter C.
 ; APPLICANT: Hamlin, Jr., Henry A.
 ; APPLICANT: Roberts, No. US20020081577A11 A.
 ; APPLICANT: Walther, Debra M.
 ; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
 ; TITLE OF INVENTION: HEPATITIS C VIRUS
 ; NUMBER OF SEQUENCES: 172
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Hale and Dorr LLP
 ; STREET: 60 State Street
 ; CITY: Boston
 ; STATE: MA
 ; COUNTRY: USA
 ; ZIP: 02109
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/887,505
 ; FILING DATE:
 ; CLASSIFICATION: 514
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/471,968
 ; FILING DATE: 06-JUN-1995
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Kerner, Ann-Louise
 ; REGISTRATION NUMBER: 33,523
 ; REFERENCE/DOCKET NUMBER: HYZ-040CIP
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (617) 526-6000
 ; TELEFAX: (617) 526-5000
 ; INFORMATION FOR SEQ ID NO: 123:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 20 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: DNA/RNA
 ; HYPOTHETICAL: NO
 ; ANTI-SENSE: YES
 ; US-08-887-505-123

Query Match 100.0%; Score 20; DB 8; Length 20;
 Best Local Similarity 80.0%; Pred. No. 0.019;
 Matches 16; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
 |||||
 Db 1 TTTCGGACCCCAACTACTC 20

RESULT 7
 US-08-887-505-124
 ; Sequence 124, Application US/08887505
 ; Publication No. US20020081577A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Kilkuskie, Robert E.
 ; APPLICANT: Frank, Bruce L.
 ; APPLICANT: Goodchild, John
 ; APPLICANT: Wolfe, Jia L.
 ; APPLICANT: Roberts, Peter C.
 ; APPLICANT: Hamlin, Jr., Henry A.
 ; APPLICANT: Roberts, No. US20020081577A11 A.
 ; APPLICANT: Walther, Debra M.
 ; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
 ; TITLE OF INVENTION: HEPATITIS C VIRUS
 ; NUMBER OF SEQUENCES: 172
 ; CORRESPONDENCE ADDRESS:

ADDRESSEE: Hale and Dorr LLP
STREET: 60 State Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,505
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/471,968
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Kerner, Ann-Louise
REGISTRATION NUMBER: 33,523
REFERENCE/DOCKET NUMBER: HYZ-040CIP
TELEPHONE: (617) 526-5000
TELEFAX: (617) 526-5000
INFORMATION FOR SEQ ID NO: 124:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA/RNA
HYPOTHETICAL: NO
ANTI-SENSE: YES
US-08-887-505-124

Query Match 100.0%; Score 20; DB 8; Length 20;
Best Local Similarity 80.0%; Pred. No. 0.019;
Matches 16; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCGCGACCCCACTACTC 20
Db 1 TUUCGCGACCCCACTACTC 20

RESULT 8
US-08-887-505-125
Sequence 125, Application US/08887505
Publication No. US20020081577A1
GENERAL INFORMATION:
APPLICANT: Kilkuskie, Robert E.
APPLICANT: Frank, Bruce L.
APPLICANT: Goodchild, John
APPLICANT: Wolfe, Jia L.
APPLICANT: Roberts, Peter C.
APPLICANT: Hamlin, Jr., Henry A.
APPLICANT: Roberts, No. US20020081577A11 A.
TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
TITLE OF INVENTION: HEPATITIS C VIRUS
NUMBER OF SEQUENCES: 172
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hale and Dorr LLP
STREET: 60 State Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,505
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/471,968
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Kerner, Ann-Louise
REGISTRATION NUMBER: 33,523
REFERENCE/DOCKET NUMBER: HYZ-040CIP
TELEPHONE: (617) 526-5000
TELEFAX: (617) 526-5000
INFORMATION FOR SEQ ID NO: 125:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA/RNA
HYPOTHETICAL: NO
ANTI-SENSE: YES
US-08-887-505-125
Query Match 100.0%; Score 20; DB 8; Length 20;
Best Local Similarity 80.0%; Pred. No. 0.019;
Matches 16; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCGCGACCCCACTACTC 20
Db 1 TUUCGCGACCCCACTACTC 20

RESULT 9
US-08-887-505-126
Sequence 126, Application US/08887505
Publication No. US20020081577A1
GENERAL INFORMATION:
APPLICANT: Kilkuskie, Robert E.
APPLICANT: Frank, Bruce L.
APPLICANT: Goodchild, John
APPLICANT: Wolfe, Jia L.
APPLICANT: Roberts, Peter C.
APPLICANT: Hamlin, Jr., Henry A.
APPLICANT: Roberts, No. US20020081577A11 A.
TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
TITLE OF INVENTION: HEPATITIS C VIRUS
NUMBER OF SEQUENCES: 172
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hale and Dorr LLP
STREET: 60 State Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,505
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/471,968
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Kerner, Ann-Louise
REGISTRATION NUMBER: 33,523
REFERENCE/DOCKET NUMBER: HYZ-040CIP

```
;
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 126:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA/RNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
;
US-08-887-505-126
Query Match 100.0%; Score 20; DB 8; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCGGACCCCAACTACTC 20
Db 1 TTCGGACCCCAACTACTC 20

RESULT 10
US-08-887-505-127
; Sequence 127, Application US/08887505
; Publication No. US2002008157A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; APPLICANT: Walther, Debra M.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 127:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA/RNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
;
US-08-887-505-127
Query Match 100.0%; Score 20; DB 8; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCGGACCCCAACTACTC 20
Db 1 TTCGGACCCCAACTACTC 20

RESULT 11
US-08-887-505-128
; Sequence 128, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; APPLICANT: Walther, Debra M.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 128:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA/RNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
;
US-08-887-505-128
Query Match 100.0%; Score 20; DB 8; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCGGACCCCAACTACTC 20
Db 1 TTCGGACCCCAACTACTC 20
```

```
RESULT 12
US-08-887-505-129
; Sequence 129, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; TITLE OF INVENTION: HEPATITIS C VIRUS
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 129:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA/RNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
US-08-887-505-129
```

```
Query Match 100.0%; Score 20; DB 8; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 TTTCGGACCCCACTACTC 20
Db 1 TTTCGGACCCCACTACTC 20
```

```
RESULT 13
US-08-887-505-130
; Sequence 130, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
```

```
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; APPLICANT: Walther, Debra M.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; TITLE OF INVENTION: HEPATITIS C VIRUS
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 130:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA/RNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
US-08-887-505-130
```

```
Query Match 100.0%; Score 20; DB 8; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 TTTCGGACCCCACTACTC 20
Db 1 TTTCGGACCCCACTACTC 20
```

```
RESULT 14
US-08-887-505-75
; Sequence 75, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; TITLE OF INVENTION: HEPATITIS C VIRUS
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
```

```
/
/ COUNTRY: USA
/ ZIP: 02109
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/887,505
/ FILING DATE:
/ CLASSIFICATION: 514
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/471,968
/ FILING DATE: 06-JUN-1995
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Kerner, Ann-Louise
/ REGISTRATION NUMBER: 33,523
/ REFERENCE/DOCKET NUMBER: HYZ-040CIP
/ TELEPHONE: (617) 526-6000
/ TELEFAX: (617) 526-6000
/ INFORMATION FOR SEQ ID NO: 75:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 24 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA
/ HYPOTHETICAL: NO
/ ANTI-SENSE: YES
/
US-08-887-505-75

Query Match 100.0%; Score 20; DB 8; Length 24;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
Db 3 TTTCGGACCCCACTACTC 22

RESULT 15
US-08-887-505-131
; Sequence 131, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A11 A.
; APPLICANT: Walther, Debra M.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; TITLE OF INVENTION: HEPATITIS C VIRUS
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
/
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/887,505
/ FILING DATE:
/ CLASSIFICATION: 514
```

```
/
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/471,968
/ FILING DATE: 06-JUN-1995
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Kerner, Ann-Louise
/ REGISTRATION NUMBER: 33,523
/ REFERENCE/DOCKET NUMBER: HYZ-040CIP
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (617) 526-6000
/ TELEFAX: (617) 526-5000
/ INFORMATION FOR SEQ ID NO: 131:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 26 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA
/ HYPOTHETICAL: NO
/ ANTI-SENSE: YES
/
US-08-887-505-131

Query Match 100.0%; Score 20; DB 8; Length 26;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
Db 1 TTTCGGACCCCACTACTC 20

RESULT 16
US-10-407-952-4/c
; Sequence 4, Application US/10407952
; Publication No. US20030232074A1
; GENERAL INFORMATION:
; APPLICANT: Lipford, Grayson
; APPLICANT: Bauer, Stefan
; TITLE OF INVENTION: Immunostimulatory G, U-Containing Oligoribonucleotides
; FILE REFERENCE: C01041.70037.US
; CURRENT APPLICATION NUMBER: US/10/407,952
; CURRENT FILING DATE: 2003-04-04
; PRIOR APPLICATION NUMBER: US 60/421,966
; PRIOR FILING DATE: 2002-10-29
; PRIOR APPLICATION NUMBER: US 60/370,515
; PRIOR FILING DATE: 2002-04-04
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 27
; TYPE: RNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Synthetic oligonucleotide
/
US-10-407-952-4

Query Match 100.0%; Score 20; DB 17; Length 27;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
Db 23 TTTCGGACCCCACTACTC 4

RESULT 17
US-10-475-024-20/c
; Sequence 20, Application US/10475024
; Publication No. US20040219545A1
; GENERAL INFORMATION:
; APPLICANT: Rando, Robert F.
; APPLICANT: Welch, Ellen
; TITLE OF INVENTION: METHODS FOR IDENTIFYING SMALL MOLECULES THAT BIND SPECIFIC RNA
; TITLE OF INVENTION: STRUCTURAL MOTIFS
```


FILE REFERENCE: 10589-007-999
CURRENT APPLICATION NUMBER: US/10/475,024
CURRENT FILING DATE: 2003-10-10
PRIOR APPLICATION NUMBER: 60/282,965
PRIOR FILING DATE: 2001-04-11
NUMBER OF SEQ ID NOS: 31
SOFTWARE: PatentIn version 3.0
SEQ ID NO 20
LENGTH: 27
TYPE: RNA
ORGANISM: Homo sapiens
US-10-475-024-20

Query Match 100.0%; Score 20; DB 20; Length 27;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCAACTACTC 20
|||||
Db 23 TTTCGGACCCAACTACTC 4

RESULT 18
US-10-475-026-20/c
Sequence 20, Application US/10475026
Publication No. US20050142545A1
GENERAL INFORMATION:
APPLICANT: Conn, Michael Morgan
APPLICANT: Pelligrini, Mathew
APPLICANT: Hwang, Seongwoo
APPLICANT: Moon, Young-choon
APPLICANT: Almstead, Neil
TITLE OF INVENTION: METHODS FOR IDENTIFYING SMALL MOLECULES THAT BIND SPECIFIC RNA
TITLE OF INVENTION: STRUCTURAL MOTIFS
FILE REFERENCE: 10589-008
CURRENT APPLICATION NUMBER: US/10/475,026
CURRENT FILING DATE: 2003-10-10
PRIOR APPLICATION NUMBER: 60/282,966
PRIOR FILING DATE: 2001-04-11
NUMBER OF SEQ ID NOS: 28
SOFTWARE: PatentIn version 3.2
SEQ ID NO 20
LENGTH: 27
TYPE: RNA
ORGANISM: Homo sapiens
US-10-475-026-20

Query Match 100.0%; Score 20; DB 22; Length 27;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCAACTACTC 20
|||||
Db 23 TTTCGGACCCAACTACTC 4

RESULT 19
US-08-887-505-68
Sequence 68, Application US/08887505
Publication No. US20020081577A1
GENERAL INFORMATION:
APPLICANT: Kilkuskie, Robert E.
APPLICANT: Frank, Bruce L.
APPLICANT: Goodchild, John
APPLICANT: Wolfe, Jia L.
APPLICANT: Roberts, Peter C.
APPLICANT: Hamlin, Jr., Henry A.
APPLICANT: Roberts, No. US20020081577A1 A.
TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
NUMBER OF SEQUENCES: 172
CORRESPONDENCE ADDRESS:

ADDRESSEE: Hale and Dorr LLP
STREET: 60 State Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,505
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA: US 08/471,968
APPLICATION NUMBER: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Kerner, Ann-Louise
REGISTRATION NUMBER: 33,523
REFERENCE/DOCKET NUMBER: HYZ-040CIP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 526-6000
TELEFAX: (617) 526-5000
INFORMATION FOR SEQ ID NO: 68:
SEQUENCE CHARACTERISTICS:
LENGTH: 28 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
HYPOTHETICAL: NO
ANTI-SENSE: YES
US-08-887-505-68

Query Match 100.0%; Score 20; DB 8; Length 28;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCAACTACTC 20
|||||
Db 1 TTTCGGACCCAACTACTC 20

RESULT 20
US-08-887-505-74
Sequence 74, Application US/08887505
Publication No. US20020081577A1
GENERAL INFORMATION:
APPLICANT: Kilkuskie, Robert E.
APPLICANT: Frank, Bruce L.
APPLICANT: Goodchild, John
APPLICANT: Wolfe, Jia L.
APPLICANT: Roberts, Peter C.
APPLICANT: Hamlin, Jr., Henry A.
APPLICANT: Roberts, No. US20020081577A1 A.
TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
NUMBER OF SEQUENCES: 172
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hale and Dorr LLP
STREET: 60 State Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 08-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HY2-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 74:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 28 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
US-08-887-505-74

Query Match 100.0%; Score 20; DB 8; Length 28;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
DB 5 TTTCGGACCCCACTACTC 24
|||||

RESULT 21

US-10-332-626-3/c
; Sequence 3, Application US/10332626
; Publication No. US20040073380A1
; GENERAL INFORMATION:
; APPLICANT: Joseph D. Puglisi
; TITLE OF INVENTION: Structural Targets of Hepatitis C Virus
; FILE REFERENCE: STAN-196
; CURRENT APPLICATION NUMBER: US/10/332,626
; PRIOR FILING DATE: 2003-09-08
; PRIOR APPLICATION NUMBER: PCT/US01/21871
; PRIOR FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,673
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 29
; TYPE: RNA
; ORGANISM: Hepatitis C virus
US-10-332-626-3

Query Match 100.0%; Score 20; DB 18; Length 29;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
DB 24 TTTCGGACCCCACTACTC 5
|||||

RESULT 22

US-09-790-417-181/c
; Sequence 181, Application US/09790417
; Patent No. US20010031470A1
; GENERAL INFORMATION:
; APPLICANT: Shultz, John W
; APPLICANT: Lewis, Martin K.

; APPLICANT: Lieppe, Donna
; APPLICANT: Mandrekar, Michelle
; APPLICANT: Kephart, Daniel
; APPLICANT: Rhodes, Richard B.
; APPLICANT: Andrews, Christine A.
; APPLICANT: Hartnett, James R.
; APPLICANT: Gu, Trent
; APPLICANT: Olson, Ryan J.
; APPLICANT: Wood, Keith W.
; APPLICANT: Welch, Roy
; TITLE OF INVENTION: Nucleic Acid Detection
; FILE REFERENCE: Pro-103 6868/75528
; CURRENT APPLICATION NUMBER: US/09/790,417
; CURRENT FILING DATE: 2001-02-22
; PRIOR APPLICATION NUMBER: 09/358,972
; PRIOR FILING DATE: 1999-07-21
; PRIOR APPLICATION NUMBER: 09/042,287
; PRIOR FILING DATE: 1998-03-13
; NUMBER OF SEQ ID NOS: 290
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 181
; LENGTH: 40
; TYPE: DNA
; ORGANISM: Hepatitis C virus
; FEATURE:
; OTHER INFORMATION: probe for Hepatitis C
US-09-790-417-181

Query Match 100.0%; Score 20; DB 9; Length 40;
Best Local Similarity 100.0%; Pred. No. 0.018;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
DB 29 TTTCGGACCCCACTACTC 10
|||||

RESULT 23

US-09-780-863-43/c
; Sequence 43, Application US/09780863
; Publication No. US20030203358A1
; GENERAL INFORMATION:
; APPLICANT: Shultz, John W
; APPLICANT: Lewis, Martin K
; APPLICANT: Lieppe, Donna
; APPLICANT: Mandrekar, Michelle
; APPLICANT: Kephart, Daniel
; APPLICANT: Rhodes, Richard B
; APPLICANT: Andrews, Christine A
; APPLICANT: Hartnett, James R
; APPLICANT: Gu, Trent
; APPLICANT: Wood, Keith V
; APPLICANT: Welch, Roy
; TITLE OF INVENTION: EXOGENOUS NUCLEIC ACID DETECTION
; FILE REFERENCE: EXOGENOUS NUCLEIC ACID DETECTION
; CURRENT APPLICATION NUMBER: US/09/780,863
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/406,147
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-09-27
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/252,436
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/042,287
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-03-13
; NUMBER OF SEQ ID NOS: 92
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 43
; LENGTH: 40
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-09-780-863-43

Query Match 100.0%; Score 20; DB 10; Length 40;
Best Local Similarity 100.0%; Pred. No. 0.018;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACACTACTC 20
|||||
Db 29 TTTCGGACCCCAACACTACTC 10

RESULT 24

US-09-790-457-181/c
; Sequence 181, Application US/09790457
; Publication No. US20050214753A1
; GENERAL INFORMATION:
; APPLICANT: Shultz, John W
; APPLICANT: Lewis, Martin K.
; APPLICANT: Lieppe, Donna
; APPLICANT: Mandrekar, Michelle
; APPLICANT: Kephart, Daniel
; APPLICANT: Rhodes, Richard B.
; APPLICANT: Andrews, Christine A.
; APPLICANT: Hartnett, James R.
; APPLICANT: Gu, Trent
; APPLICANT: Olson, Ryan J.
; APPLICANT: Wood, Keith W.
; APPLICANT: Welch, Roy
; TITLE OF INVENTION: Nucleic Acid Detection
; FILE REFERENCE: Pro-103 6868/75528
; CURRENT APPLICATION NUMBER: US/09/790,457
; CURRENT FILING DATE: 2001-02-22
; PRIOR APPLICATION NUMBER: US/09/358,972
; PRIOR FILING DATE: 1999-07-22
; PRIOR APPLICATION NUMBER: 09/252,436
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: 09/042,287
; PRIOR FILING DATE: 1998-03-13
; NUMBER OF SEQ ID NOS: 290
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 181
; LENGTH: 40
; TYPE: DNA
; ORGANISM: Hepatitis C virus
; FEATURE:
; OTHER INFORMATION: probe for Hepatitis C
US-09-790-457-181

Query Match 100.0%; Score 20; DB 12; Length 40;
Best Local Similarity 100.0%; Pred. No. 0.018;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACACTACTC 20
|||||
Db 29 TTTCGGACCCCAACACTACTC 10

RESULT 25

US-10-318-416B-6/c
; Sequence 6, Application US/10318416B
; Publication No. US20040115643A1
; GENERAL INFORMATION:
; APPLICANT: Lizardi, Paul M.
; APPLICANT: Gribanov, Oleg G.
; TITLE OF INVENTION: THERMODYNAMIC EQUILIBRIUM EXTENSION OF
; TITLE OF INVENTION: PRIMERS
; FILE REFERENCE: 25006.0012U1
; CURRENT APPLICATION NUMBER: US/10/318,416B
; CURRENT FILING DATE: 2002-12-12
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 40
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:/note =

; OTHER INFORMATION: synthetic construct
US-10-318-416B-6

Query Match 100.0%; Score 20; DB 19; Length 40;
Best Local Similarity 100.0%; Pred. No. 0.018;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACACTACTC 20
|||||
Db 31 TTTCGGACCCCAACACTACTC 12

RESULT 26

US-10-318-416B-18/c
; Sequence 18, Application US/10318416B
; Publication No. US20040115643A1
; GENERAL INFORMATION:
; APPLICANT: Lizardi, Paul M.
; APPLICANT: Gribanov, Oleg G.
; TITLE OF INVENTION: THERMODYNAMIC EQUILIBRIUM EXTENSION OF
; TITLE OF INVENTION: PRIMERS
; FILE REFERENCE: 25006.0012U1
; CURRENT APPLICATION NUMBER: US/10/318,416B
; CURRENT FILING DATE: 2002-12-12
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 40
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:/note =
; OTHER INFORMATION: synthetic construct
US-10-318-416B-18

Query Match 100.0%; Score 20; DB 19; Length 40;
Best Local Similarity 100.0%; Pred. No. 0.018;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACACTACTC 20
|||||
Db 31 TTTCGGACCCCAACACTACTC 12

RESULT 27

US-10-318-416B-19/c
; Sequence 19, Application US/10318416B
; Publication No. US20040115643A1
; GENERAL INFORMATION:
; APPLICANT: Lizardi, Paul M.
; APPLICANT: Gribanov, Oleg G.
; TITLE OF INVENTION: THERMODYNAMIC EQUILIBRIUM EXTENSION OF
; TITLE OF INVENTION: PRIMERS
; FILE REFERENCE: 25006.0012U1
; CURRENT APPLICATION NUMBER: US/10/318,416B
; CURRENT FILING DATE: 2002-12-12
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 19
; LENGTH: 40
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:/note =
; OTHER INFORMATION: synthetic construct
US-10-318-416B-19

Query Match 100.0%; Score 20; DB 19; Length 40;
Best Local Similarity 100.0%; Pred. No. 0.018;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACACTACTC 20
|||||

```
Db      31  TTCGGACCCCAACTACTC 12

RESULT 28
US-09-870-939-1/c
; Sequence 1, Application US/09870939
; Publication No. US20020192650A1
; GENERAL INFORMATION:
; APPLICANT: AMORESE, DOUGLAS A.
; APPLICANT: SHANNON, KAREN W.
; APPLICANT: COLLINS, PATRICK J.
; APPLICANT: WOLBER, PAUL K.
; TITLE OF INVENTION: COMPOSITE ARRAYS
; FILE REFERENCE: 10010791-1
; CURRENT APPLICATION NUMBER: US/09/870,939
; CURRENT FILING DATE: 2001-10-12
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-09-870-939-1

Query Match      100.0%; Score 20; DB 9; Length 60;
Best Local Similarity 100.0%; Pred. No. 0.018;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  TTCGGACCCCAACTACTC 20
        |||||
Db      24  TTCGGACCCCAACTACTC 5

RESULT 29
US-09-728-265-31
; Sequence 31, Application US/09728265
; Publication No. US20020182598A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, David Y.
; TITLE OF INVENTION: NUCLEIC ACID AMPLIFICATION METHOD:
; TITLE OF INVENTION: RAMIFICATION-EXTENSION AMPLIFICATION METHOD (RAM)
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Stroock & Stroock & Lavan
; STREET: 180 Maiden Lane
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10038
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PCDOS/MSDOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/728,265
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Pokotilow, Steven B
; REGISTRATION NUMBER: 26,405
; REFERENCE/DOCKET NUMBER: Old 29545APCT/USA-B // New 251305/0018
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212806-6663
; TELEFAX: 2128066006
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 108 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:

; NAME/KEY: misc_feature
; LOCATION: 1..108
US-09-728-265-31

Query Match      100.0%; Score 20; DB 9; Length 108;
Best Local Similarity 100.0%; Pred. No. 0.017;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  TTCGGACCCCAACTACTC 20
        |||||
Db      4  TTCGGACCCCAACTACTC 23

RESULT 30
US-09-978-261A-31
; Sequence 31, Application US/09978261A
; Publication No. US20030175706A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, David Y.
; TITLE OF INVENTION: NUCLEIC ACID AMPLIFICATION METHODS
; FILE REFERENCE: A29545-A-PCT-USA-A 070165.0601
; CURRENT APPLICATION NUMBER: US/09/978,261A
; CURRENT FILING DATE: 2002-09-05
; PRIOR APPLICATION NUMBER: 08/263,937
; PRIOR FILING DATE: 1994-06-22
; PRIOR APPLICATION NUMBER: 08/596,331
; PRIOR FILING DATE: 1996-02-22
; PRIOR APPLICATION NUMBER: 08/690,495
; PRIOR FILING DATE: 1996-07-31
; PRIOR APPLICATION NUMBER: 08/909,031
; PRIOR FILING DATE: 1997-08-11
; PRIOR APPLICATION NUMBER: 09/728,265
; PRIOR FILING DATE: 2000-12-01
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 31
; LENGTH: 108
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide probe
US-09-978-261A-31

Query Match      100.0%; Score 20; DB 10; Length 108;
Best Local Similarity 100.0%; Pred. No. 0.017;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  TTCGGACCCCAACTACTC 20
        |||||
Db      4  TTCGGACCCCAACTACTC 23

RESULT 31
US-10-309-438-31
; Sequence 31, Application US/10309438
; Publication No. US20030190604A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, David Y.
; APPLICANT: Brandwein, Maraget
; APPLICANT: Hsuih, Terence C.H.
; TITLE OF INVENTION: Nucleic Acid Amplification Method: Ramification-extension
; FILE REFERENCE: 251305/0031
; CURRENT APPLICATION NUMBER: US/10/309,438
; CURRENT FILING DATE: 2003-04-08
; PRIOR APPLICATION NUMBER: US 09/299,217
; PRIOR FILING DATE: 1999-04-23
; PRIOR APPLICATION NUMBER: US 08/690,494
; PRIOR FILING DATE: 1996-07-31
; PRIOR APPLICATION NUMBER: US 08/596,331
; PRIOR FILING DATE: 1996-05-20
; PRIOR APPLICATION NUMBER: PCT/US95/07671
; PRIOR FILING DATE: 1995-06-14
```

;/ PRIOR APPLICATION NUMBER: 08/263,937
;/ PRIOR FILING DATE: 1994-06-22
;/ NUMBER OF SEQ ID NOS: 42
;/ SOFTWARE: PatentIn version 3.2
;/ SEQ ID NO 31
;/ LENGTH: 108
;/ TYPE: DNA
;/ ORGANISM: Artificial Sequence
;/ FEATURE:
;/ OTHER INFORMATION: Oligonucleotide primer
US-10-309-438-31

Query Match 100.0%; Score 20; DB 16; Length 108;
Best Local Similarity 100.0%; Pred. No. 0.017;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||
DB 4 TTTCGGACCCCAACTACTC 23

RESULT 32
US-10-719-480-31
;/ Sequence 31, Application US/10719480
;/ Publication No. US20040137484A1
;/ GENERAL INFORMATION:
;/ APPLICANT: Zhang, David Y.
;/ APPLICANT: Yi, Jizu
;/ APPLICANT: Zhang, Wandu
;/ TITLE OF INVENTION: Nucleic Acid Amplification Methods
;/ FILE REFERENCE: 251305/0040
;/ CURRENT APPLICATION NUMBER: US/10/719,480
;/ CURRENT FILING DATE: 2003-11-21
;/ PRIOR APPLICATION NUMBER: US 09/978,261
;/ PRIOR FILING DATE: 2001-10-15
;/ PRIOR APPLICATION NUMBER: PCT/US02/32754
;/ PRIOR FILING DATE: 2002-10-11
;/ NUMBER OF SEQ ID NOS: 49
;/ SOFTWARE: PatentIn version 3.2
;/ SEQ ID NO 31
;/ LENGTH: 108
;/ TYPE: DNA
;/ ORGANISM: Artificial Sequence
;/ FEATURE:
;/ OTHER INFORMATION: Oligonucleotide primer
US-10-719-480-31

Query Match 100.0%; Score 20; DB 19; Length 108;
Best Local Similarity 100.0%; Pred. No. 0.017;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||
DB 4 TTTCGGACCCCAACTACTC 23

RESULT 33
US-10-396-964-12/c
;/ Sequence 12, Application US/10396964
;/ Publication No. US20030198946A1
;/ GENERAL INFORMATION:
;/ APPLICANT: Simmonds, Peter
;/ APPLICANT: Chan, Shiu-Wan
;/ APPLICANT: Yap, Feng L.
;/ TITLE OF INVENTION: Hepatitis-C Virus Testing
;/ NUMBER OF SEQUENCES: 53
;/ CORRESPONDENCE ADDRESS:
;/ ADDRESSEE: Bell, Seltzer, Park & Gibson, P.A.
;/ STREET: 1211 East Morehead Street
;/ CITY: Charlotte
;/ STATE: No. US20030198946A1th Carolina
;/ COUNTRY: United States
;/ ZIP: 28234

;/ COMPUTER READABLE FORM:
;/ MEDIUM TYPE: Floppy disk
;/ COMPUTER: IBM PC compatible
;/ OPERATING SYSTEM: PC-DOS/MS-DOS
;/ SOFTWARE: PatentIn Release #1.0. Version #1.30
;/ CURRENT APPLICATION DATA:
;/ APPLICATION NUMBER: US/10/396,964
;/ FILING DATE: 23-MARCH-2003
;/ CLASSIFICATION:
;/ PRIOR APPLICATION DATA:
;/ APPLICATION NUMBER: US/08/244,116B
;/ FILING DATE: 15-JUL-1994
;/ CLASSIFICATION:
;/ PRIOR APPLICATION DATA:
;/ APPLICATION NUMBER: PCT/GB92/02143
;/ FILING DATE: 20-NOV-1992
;/ ATTORNEY/AGENT INFORMATION:
;/ NAME: Sibley, Kenneth D.
;/ REGISTRATION NUMBER: 31,665
;/ REFERENCE/DOCKET NUMBER: 1749-125
;/ TELECOMMUNICATION INFORMATION:
;/ TELEPHONE: 704-377-1561
;/ TELEFAX: 704-334-2014
;/ INFORMATION FOR SEQ ID NO: 12:
;/ SEQUENCE CHARACTERISTICS:
;/ LENGTH: 194 base pairs
;/ TYPE: nucleic acid
;/ STRANDEDNESS: double
;/ TOPOLOGY: linear
;/ MOLECULE TYPE: cDNA
;/ HYPOTHETICAL: NO
;/ ANTI-SENSE: NO
;/ ORIGINAL SOURCE:
;/ ORGANISM: Hepatitis-C virus
US-10-396-964-12

Query Match 100.0%; Score 20; DB 16; Length 194;
Best Local Similarity 100.0%; Pred. No. 0.017;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||
DB 189 TTTCGGACCCCAACTACTC 170

RESULT 34
US-10-688-272-19/c
;/ Sequence 19, Application US/10688272
;/ Publication No. US20040091924A1
;/ GENERAL INFORMATION:
;/ APPLICANT: GenMatrix Inc.; Kim, Nam-Keun
;/ TITLE OF INVENTION: Method for detecting base mutation
;/ FILE REFERENCE: 11281-014-999
;/ CURRENT APPLICATION NUMBER: US/10/688,272
;/ CURRENT FILING DATE: 2003-10-17
;/ PRIOR APPLICATION NUMBER: KR2002-0063832
;/ PRIOR FILING DATE: 2002-10-18
;/ PRIOR APPLICATION NUMBER: KR2003-0061066
;/ PRIOR FILING DATE: 2003-09-02
;/ NUMBER OF SEQ ID NOS: 33
;/ SOFTWARE: KopatentIn 1.71
;/ SEQ ID NO 19
;/ LENGTH: 226
;/ TYPE: DNA
;/ ORGANISM: Artificial Sequence
;/ FEATURE:
;/ OTHER INFORMATION: Resulting PCR fragment
US-10-688-272-19

Query Match 100.0%; Score 20; DB 18; Length 226;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||
Db 200 TTTCGGACCCCAACTACTC 181

RESULT 35
US-10-688-272-22/c
; Sequence 22, Application US/10688272
; Publication No. US20040091924A1
; GENERAL INFORMATION:
; APPLICANT: GeneMatrix Inc.; Kim, Nam-Keun
; TITLE OF INVENTION: Method for detecting base mutation
; FILE REFERENCE: 11281-014-999
; CURRENT APPLICATION NUMBER: US/10/688,272
; PRIOR FILING DATE: 2003-10-17
; PRIOR APPLICATION NUMBER: KR2002-0063832
; PRIOR FILING DATE: 2002-10-18
; PRIOR APPLICATION NUMBER: KR2003-0061066
; PRIOR FILING DATE: 2003-09-02
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: KopatentIn 1.71
; SEQ ID NO 22
; LENGTH: 230
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Resulting PCR fragment
US-10-688-272-22

Query Match 100.0%; Score 20; DB 18; Length 230;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||
Db 204 TTTCGGACCCCAACTACTC 185

RESULT 36
US-10-688-272-23
; Sequence 23, Application US/10688272
; Publication No. US20040091924A1
; GENERAL INFORMATION:
; APPLICANT: GeneMatrix Inc.; Kim, Nam-Keun
; TITLE OF INVENTION: Method for detecting base mutation
; FILE REFERENCE: 11281-014-999
; CURRENT APPLICATION NUMBER: US/10/688,272
; CURRENT FILING DATE: 2003-10-17
; PRIOR APPLICATION NUMBER: KR2002-0063832
; PRIOR FILING DATE: 2002-10-18
; PRIOR APPLICATION NUMBER: KR2003-0061066
; PRIOR FILING DATE: 2003-09-02
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: KopatentIn 1.71
; SEQ ID NO 23
; LENGTH: 230
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Resulting PCR fragment
US-10-688-272-23

Query Match 100.0%; Score 20; DB 18; Length 230;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||
Db 27 TTTCGGACCCCAACTACTC 46

RESULT 37
US-09-825-574-37/c

; Sequence 37, Application US/09825574
; Patent No. US20020119454A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; Brow, Mary Ann D.
; Fors, Lance
; Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; Structure Probing With Structure-Bridging
; Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/825,574
; FILING DATE: 03-Apr-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/934,097
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 37:
US-09-825-574-37

Query Match 100.0%; Score 20; DB 9; Length 232;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||
Db 199 TTTCGGACCCCAACTACTC 180

RESULT 38
US-09-882-945A-37/c
; Sequence 37, Application US/09882945A
; Publication No. US2003014335A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor
; APPLICANT: Allawi, Hatim
; APPLICANT: Dong, Fang
; APPLICANT: Neri, Bruce
; APPLICANT: Vener, Tatiana
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites
; FILE REFERENCE: FORS-04586
; CURRENT APPLICATION NUMBER: US/09/882,945A
; CURRENT FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 37
; LENGTH: 232
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-09-882-945A-37

Query Match 100.0%; Score 20; DB 10; Length 232;
Best Local Similarity 100.0%; Pred. No. 0.016; Indels 0; Gaps 0;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGGACCCAACTACTC 20
|||||
Db 199 TTGCGGACCCAACTACTC 180

RESULT 39

US-10-807-114-37/c
; Sequence 37, Application US/10807114
; Publication No. US20040235024A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor
; APPLICANT: Allawi, Hatim
; APPLICANT: Dong, Fang
; APPLICANT: Neri, Bruce
; APPLICANT: Vener, Tatiana
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites
; FILE REFERENCE: FORS-04586
; CURRENT APPLICATION NUMBER: US/10/807,114
; CURRENT FILING DATE: 2004-03-23
; PRIOR APPLICATION NUMBER: US/09/882,945
; PRIOR FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 37
; LENGTH: 232
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-807-114-37

Query Match 100.0%; Score 20; DB 20; Length 232;
Best Local Similarity 100.0%; Pred. No. 0.016; Indels 0; Gaps 0;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGGACCCAACTACTC 20
|||||
Db 199 TTGCGGACCCAACTACTC 180

RESULT 40

US-10-655-362-37/c
; Sequence 37, Application US/10655362
; Publication No. US20050014163A1
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/10/655,362
; CURRENT FILING DATE: 2003-09-04
; PRIOR APPLICATION NUMBER: US/09/402,618B
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05

; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 37
; LENGTH: 232
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-10-655-362-37

Query Match 100.0%; Score 20; DB 21; Length 232;
Best Local Similarity 100.0%; Pred. No. 0.016; Indels 0; Gaps 0;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGGACCCAACTACTC 20
|||||
Db 199 TTGCGGACCCAACTACTC 180

RESULT 41

US-09-825-574-32/c
; Sequence 32, Application US/09825574
; Patent No. US20020119454A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; Structure Probing With Structure-Bridging
; Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSER: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/825,574
; FILING DATE: 03-Apr-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/934,097
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 239 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 32:
US-09-825-574-32

Query Match 100.0%; Score 20; DB 9; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.016; Indels 0; Gaps 0;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGGACCCAACTACTC 20
|||||

```
Db      206 TTGCGGACCCCAACTACTC 187

; FILE REFERENCE: FORS-04586
; CURRENT APPLICATION NUMBER: US/09/882,945A
; CURRENT FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 32
; LENGTH: 239
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-09-882-945A-32

Query Match      100.0%; Score 20; DB 10; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTGCGGACCCCAACTACTC 20
        ||||||||||||||||||
Db      206 TTGCGGACCCCAACTACTC 187

RESULT 44
US-09-882-945A-36/c
; Sequence 36, Application US/09882945A
; Publication No. US20030143535A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor
; APPLICANT: Allawi, Hatim
; APPLICANT: Dong, Fang
; APPLICANT: Neri, Bruce
; APPLICANT: Vener, Tatiana
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites
; FILE REFERENCE: FORS-04586
; CURRENT APPLICATION NUMBER: US/09/882,945A
; CURRENT FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 36
; LENGTH: 239
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-09-882-945A-36

Query Match      100.0%; Score 20; DB 10; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTGCGGACCCCAACTACTC 20
        ||||||||||||||||||
Db      206 TTGCGGACCCCAACTACTC 187

RESULT 45
US-10-807-114-32/c
; Sequence 32, Application US/10807114
; Publication No. US20040235024A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor
; APPLICANT: Allawi, Hatim
; APPLICANT: Dong, Fang
; APPLICANT: Neri, Bruce
; APPLICANT: Vener, Tatiana
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites
; FILE REFERENCE: FORS-04586
; CURRENT APPLICATION NUMBER: US/10/807,114
; CURRENT FILING DATE: 2004-03-23
; PRIOR APPLICATION NUMBER: US/09/882,945
; PRIOR FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn version 3.0

Db      206 TTGCGGACCCCAACTACTC 187

; FILE REFERENCE: FORS-04586
; CURRENT APPLICATION NUMBER: US/09/882,945A
; CURRENT FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 32
; LENGTH: 239
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-09-882-945A-32

Query Match      100.0%; Score 20; DB 9; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTGCGGACCCCAACTACTC 20
        ||||||||||||||||||
Db      206 TTGCGGACCCCAACTACTC 187

RESULT 43
US-09-882-945A-32/c
; Sequence 32, Application US/09882945A
; Publication No. US20030143535A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor
; APPLICANT: Allawi, Hatim
; APPLICANT: Dong, Fang
; APPLICANT: Neri, Bruce
; APPLICANT: Vener, Tatiana
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites
```


; SEQ ID NO 32
; LENGTH: 239
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-807-114-32

Query Match 100.0%; Score 20; DB 20; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.016; 0; Indels 0; Gaps 0;
Matches 20; Conservative 0; Mismatches 0;

QY 1 TTGCGGACCCCAACTACTC 20
|||||
DB 206 TTGCGGACCCCAACTACTC 187

RESULT 46

US-10-807-114-36/c
; Sequence 36, Application US/10807114
; Publication No. US20040235024A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor
; APPLICANT: Allawi, Hatim
; APPLICANT: Dong, Fang
; APPLICANT: Neri, Bruce
; APPLICANT: Vener, Tatiana
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites
; FILE REFERENCE: FORS-04586
; CURRENT APPLICATION NUMBER: US/10/807,114
; CURRENT FILING DATE: 2004-03-23
; PRIOR APPLICATION NUMBER: US/09/882,945
; PRIOR FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 36
; LENGTH: 239
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-807-114-36

Query Match 100.0%; Score 20; DB 20; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.016; 0; Indels 0; Gaps 0;
Matches 20; Conservative 0; Mismatches 0;

QY 1 TTGCGGACCCCAACTACTC 20
|||||
DB 206 TTGCGGACCCCAACTACTC 187

RESULT 47

US-10-655-362-32/c
; Sequence 32, Application US/10655362
; Publication No. US20050014163A1
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/10/655,362
; CURRENT FILING DATE: 2003-09-04
; PRIOR APPLICATION NUMBER: US/09/402,618B
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05

; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 32
; LENGTH: 239
; TYPE: DNA
; ORGANISM: Hepatitis C virus
; OTHER INFORMATION: Synthetic
US-10-655-362-32

Query Match 100.0%; Score 20; DB 21; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.016; 0; Indels 0; Gaps 0;
Matches 20; Conservative 0; Mismatches 0;

QY 1 TTGCGGACCCCAACTACTC 20
|||||
DB 206 TTGCGGACCCCAACTACTC 187

RESULT 48

US-10-655-362-36/c
; Sequence 36, Application US/10655362
; Publication No. US20050014163A1
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/10/655,362
; CURRENT FILING DATE: 2003-09-04
; PRIOR APPLICATION NUMBER: US/09/402,618B
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 36
; LENGTH: 239
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-10-655-362-36

Query Match 100.0%; Score 20; DB 21; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.016; 0; Indels 0; Gaps 0;
Matches 20; Conservative 0; Mismatches 0;

QY 1 TTGCGGACCCCAACTACTC 20
|||||
DB 206 TTGCGGACCCCAACTACTC 187

RESULT 49

US-10-927-520-9/c
; Sequence 9, Application US/10927520
; Publication No. US20050069870A1
; GENERAL INFORMATION:
; APPLICANT: Innogenetics N.V.
; TITLE OF INVENTION: New HCV clade and prototype sequences thereof
; FILE REFERENCE: 157
; CURRENT APPLICATION NUMBER: US/10/927,520
; CURRENT FILING DATE: 2004-08-27
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 9
; LENGTH: 239
; TYPE: DNA
; ORGANISM: hepatitis C virus
US-10-927-520-9

Query Match 100.0%; Score 20; DB 21; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20
Db 200 TTTCGGACCCCAACTACTC 181

RESULT 50

US-10-927-520-10/c
; Sequence 10, Application US/10927520
; Publication No. US20050069870A1
; GENERAL INFORMATION:
; APPLICANT: Innogenetics N.V.
; TITLE OF INVENTION: New HCV clade and prototype sequences thereof
; FILE REFERENCE: 157
; CURRENT APPLICATION NUMBER: US/10/927,520
; CURRENT FILING DATE: 2004-08-27
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 10
; LENGTH: 239
; TYPE: DNA
; ORGANISM: hepatitis C virus
US-10-927-520-10

Query Match 100.0%; Score 20; DB 21; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20
Db 200 TTTCGGACCCCAACTACTC 181

RESULT 51

US-09-825-574-33/c
; Sequence 33, Application US/09825574
; Patent No. US20020119454A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; Brow, Mary Ann D.
; Neri, Bruce P.
; Fors, Lance
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; Structure Probing With Structure-Bridging
; Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION NUMBER: US/09/825,574
; APPLICATION DATA:
; FILING DATE: 03-Apr-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/934,097
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 33:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 240 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 33:
US-09-825-574-33

Query Match 100.0%; Score 20; DB 9; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20
Db 207 TTTCGGACCCCAACTACTC 188

RESULT 52

US-09-825-574-35/c
; Sequence 35, Application US/09825574
; Patent No. US20020119454A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; Brow, Mary Ann D.
; Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; Structure Probing With Structure-Bridging
; Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/825,574
; FILING DATE: 03-Apr-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/934,097
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 35:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 240 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 35:
US-09-825-574-35

Query Match 100.0%; Score 20; DB 9; Length 240;

Best Local Similarity 100.0%; Pred. No. 0.016; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20
Db 207 TTTCGGACCCCAACTACTC 188

RESULT 53

US-09-825-574-38/c
; Sequence 38, Application US/09825574
; Patent No. US20020119454A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; ; Brow, Mary Ann D.
; ; Fors, Lance P.
; ; Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; ; Structure Probing With Structure-Bridging
; ; Oligonucleotides.

NUMBER OF SEQUENCES: 51
CORRESPONDENCE ADDRESS:
ADDRESSEE: MEDLEN & CARROLL, LLP
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94104

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/825,574
FILING DATE: 03-Apr-2001
CLASSIFICATION: <Unknown>

PRIOR APPLICATION NUMBER:
APPLICATION NUMBER: 08/934,097
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: MacKnight, Kamrin T.

REGISTRATION NUMBER: 38,230
REFERENCE/DOCKET NUMBER: FORS-02980
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 705-8410
TELEFAX: (415) 397-8338

INFORMATION FOR SEQ ID NO: 38:
SEQUENCE CHARACTERISTICS:
LENGTH: 240 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "DNA"
SEQUENCE DESCRIPTION: SEQ ID NO: 38:

US-09-825-574-38

Query Match 100.0%; Score 20; DB 9; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20
Db 208 TTTCGGACCCCAACTACTC 189

RESULT 54

US-09-882-945A-33/c
; Sequence 33, Application US/09882945A
; Publication No. US20030143535A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor

; APPLICANT: Allawi, Hatim
; APPLICANT: Dong, Fang
; APPLICANT: Neri, Bruce
; APPLICANT: Vener, Tatiana
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites
; FILE REFERENCE: FORS-04586
; CURRENT APPLICATION NUMBER: US/09/882,945A
; CURRENT FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 33
; LENGTH: 240
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-09-882-945A-33

Query Match 100.0%; Score 20; DB 10; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20
Db 207 TTTCGGACCCCAACTACTC 188

RESULT 55

US-09-882-945A-35/c
; Sequence 35, Application US/09882945A
; Publication No. US20030143535A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor
; APPLICANT: Allawi, Hatim
; APPLICANT: Dong, Fang
; APPLICANT: Neri, Bruce
; APPLICANT: Vener, Tatiana
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites
; FILE REFERENCE: FORS-04586
; CURRENT APPLICATION NUMBER: US/09/882,945A
; CURRENT FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 35
; LENGTH: 240
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-09-882-945A-35

Query Match 100.0%; Score 20; DB 10; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20
Db 207 TTTCGGACCCCAACTACTC 188

RESULT 56

US-09-882-945A-38/c
; Sequence 38, Application US/09882945A
; Publication No. US20030143535A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor
; APPLICANT: Allawi, Hatim
; APPLICANT: Dong, Fang
; APPLICANT: Neri, Bruce
; APPLICANT: Vener, Tatiana
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites
; FILE REFERENCE: FORS-04586
; CURRENT APPLICATION NUMBER: US/09/882,945A

; CURRENT FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 38
; LENGTH: 240
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-09-882-945A-38

Query Match 100.0%; Score 20; DB 10; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCGCGACCCCAACTACTC 20
|||||
Db 208 TTCGCGACCCCAACTACTC 189

RESULT 57

US-10-807-114-33/c
; Sequence 33, Application US/10807114
; Publication No. US20040235024A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor
; APPLICANT: Allawi, Hatim
; APPLICANT: Dong, Fang
; APPLICANT: Neri, Bruce
; APPLICANT: Vener, Tatiana
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites
; FILE REFERENCE: FORS-04586
; CURRENT APPLICATION NUMBER: US/10/807,114
; CURRENT FILING DATE: 2004-03-23
; PRIOR APPLICATION NUMBER: US/09/882,945
; PRIOR FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 33
; LENGTH: 240
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-807-114-33

Query Match 100.0%; Score 20; DB 20; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCGCGACCCCAACTACTC 20
|||||
Db 207 TTCGCGACCCCAACTACTC 188

RESULT 58

US-10-807-114-35/c
; Sequence 35, Application US/10807114
; Publication No. US20040235024A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor
; APPLICANT: Allawi, Hatim
; APPLICANT: Dong, Fang
; APPLICANT: Neri, Bruce
; APPLICANT: Vener, Tatiana
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites
; FILE REFERENCE: FORS-04586
; CURRENT APPLICATION NUMBER: US/10/807,114
; CURRENT FILING DATE: 2004-03-23
; PRIOR APPLICATION NUMBER: US/09/882,945
; PRIOR FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 35
; LENGTH: 240
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-807-114-35

Query Match 100.0%; Score 20; DB 20; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCGCGACCCCAACTACTC 20
|||||
Db 207 TTCGCGACCCCAACTACTC 188

RESULT 59

US-10-807-114-38/c
; Sequence 38, Application US/10807114
; Publication No. US20040235024A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor
; APPLICANT: Allawi, Hatim
; APPLICANT: Dong, Fang
; APPLICANT: Neri, Bruce
; APPLICANT: Vener, Tatiana
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites
; FILE REFERENCE: FORS-04586
; CURRENT APPLICATION NUMBER: US/10/807,114
; CURRENT FILING DATE: 2004-03-23
; PRIOR APPLICATION NUMBER: US/09/882,945
; PRIOR FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 38
; LENGTH: 240
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-807-114-38

Query Match 100.0%; Score 20; DB 20; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCGCGACCCCAACTACTC 20
|||||
Db 208 TTCGCGACCCCAACTACTC 189

RESULT 60

US-10-655-362-33/c
; Sequence 33, Application US/10655362
; Publication No. US20050014163A1
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/10/655,362
; CURRENT FILING DATE: 2003-09-04
; PRIOR APPLICATION NUMBER: US/09/402,618B
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05

```
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 33
; LENGTH: 240
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-10-655-362-33

Query Match      100.0%; Score 20; DB 21; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGGACCCAACTACTC 20
Db 207 TTGCGGACCCAACTACTC 188

RESULT 61
US-10-655-362-35/c
; Sequence 35, Application US/10655362
; Publication No. US20050014163A1
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/10/655,362
; CURRENT FILING DATE: 2003-09-04
; PRIOR APPLICATION NUMBER: US/09/402,618B
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 35
; LENGTH: 240
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-10-655-362-35

Query Match      100.0%; Score 20; DB 21; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGGACCCAACTACTC 20
Db 207 TTGCGGACCCAACTACTC 188

RESULT 62
US-10-655-362-38/c
; Sequence 38, Application US/10655362
; Publication No. US20050014163A1
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/10/655,362
; CURRENT FILING DATE: 2003-09-04
; PRIOR APPLICATION NUMBER: US/09/402,618B
```

```
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 38
; LENGTH: 240
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-10-655-362-38

Query Match      100.0%; Score 20; DB 21; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGGACCCAACTACTC 20
Db 208 TTGCGGACCCAACTACTC 189

RESULT 63
US-10-087-631B-10/c
; Sequence 10, Application US/10087631B
; Publication No. US20030054372A1
; GENERAL INFORMATION:
; APPLICANT: JAEGER, STEPHAN
; TITLE OF INVENTION: A METHOD FOR THE DETERMINATION OF A NUCLEIC ACID USING A
; TITLE OF INVENTION: CONTROL
; FILE REFERENCE: 1803-335-999
; CURRENT APPLICATION NUMBER: US/10/087,631B
; CURRENT FILING DATE: 2002-03-01
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 10
; LENGTH: 241
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: DNA sequence derived by
; OTHER INFORMATION: amplification of HCV type 1 using primers ST280 and ST778
US-10-087-631B-10

Query Match      100.0%; Score 20; DB 14; Length 241;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGGACCCAACTACTC 20
Db 208 TTGCGGACCCAACTACTC 189

RESULT 64
US-10-419-022-10/c
; Sequence 10, Application US/10419022
; Publication No. US20030165982A1
; GENERAL INFORMATION:
; APPLICANT: JAEGER, STEPHAN
; TITLE OF INVENTION: A METHOD FOR THE DETERMINATION OF A NUCLEIC ACID USING A
; TITLE OF INVENTION: CONTROL
; FILE REFERENCE: 1803-335-999
; CURRENT APPLICATION NUMBER: US/10/419,022
; CURRENT FILING DATE: 2003-04-17
; PRIOR APPLICATION NUMBER: US/10/087,631B
; PRIOR FILING DATE: 2002-03-01
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 10
; LENGTH: 241
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: DNA sequence derived by
; OTHER INFORMATION: amplification of HCV type 1 using primers ST280 and ST778
```

```
US-10-419-022-10
Query Match      100.0%; Score 20; DB 16; Length 241;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTTCGGACCCCACTACTC 20
DB      208 TTTCGGACCCCACTACTC 189

RESULT 65
US-09-825-574-26/c
; Sequence 26, Application US/09825574
; Patent No. US20020119454A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
;           Brow, Mary Ann D.
;           Fors, Lance
;           Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
;                   Structure Probing With Structure-Bridging
;                   Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/825,574
; FILING DATE: 03-Apr-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/934,097
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 26:
US-09-825-574-26

Query Match      100.0%; Score 20; DB 9; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTTCGGACCCCACTACTC 20
DB      208 TTTCGGACCCCACTACTC 189

RESULT 66
US-09-825-574-27/c
; Sequence 27, Application US/09825574
```

```
; Patent No. US20020119454A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
;           Brow, Mary Ann D.
;           Fors, Lance
;           Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
;                   Structure Probing With Structure-Bridging
;                   Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/825,574
; FILING DATE: 03-Apr-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/934,097
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 27:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 27:
US-09-825-574-27

Query Match      100.0%; Score 20; DB 9; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTTCGGACCCCACTACTC 20
DB      208 TTTCGGACCCCACTACTC 189

RESULT 67
US-09-825-574-29/c
; Sequence 29, Application US/09825574
; Patent No. US20020119454A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
;           Brow, Mary Ann D.
;           Fors, Lance
;           Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
;                   Structure Probing With Structure-Bridging
;                   Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
```

STATE: CA
COUNTRY: USA
ZIP: 94104
COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION NUMBER:
FILING DATE: 03-Apr-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/934,097
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: MacKnight, Kamrin T.
REGISTRATION NUMBER: 38,230
REFERENCE/DOCKET NUMBER: FORS-02980
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 705-8410
TELEFAX: (415) 397-8338
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 244 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "DNA"
SEQUENCE DESCRIPTION: SEQ ID NO: 29:
US-09-825-574-29

Query Match 100.0%; Score 20; DB 9; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.016; 0; Indels 0; Gaps 0;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||
DB 208 TTTCGGACCCCAACTACTC 189

RESULT 68
US-09-825-574-31/c
Sequence 31, Application US/09825574
Patent No. US200201194541
GENERAL INFORMATION:
APPLICANT: Lyamichev, Victor I.
Brow, Mary Ann D.
Fors, Lance P.
Neri, Bruce P.
TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
Structure Probing With Structure-Bridging
Oligonucleotides.
NUMBER OF SEQUENCES: 51
CORRESPONDENCE ADDRESS:
ADDRESSEE: MEDLEN & CARROLL, LLP
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/825,574
FILING DATE: 03-Apr-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/934,097

FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: MacKnight, Kamrin T.
REGISTRATION NUMBER: 38,230
REFERENCE/DOCKET NUMBER: FORS-02980
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 705-8410
TELEFAX: (415) 397-8338
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 244 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "DNA"
SEQUENCE DESCRIPTION: SEQ ID NO: 31:
US-09-825-574-31

Query Match 100.0%; Score 20; DB 9; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.016; 0; Indels 0; Gaps 0;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||
DB 208 TTTCGGACCCCAACTACTC 189

RESULT 69
US-09-882-945A-26/c
Sequence 26, Application US/09882945A
Publication No. US2003014353A1
GENERAL INFORMATION:
APPLICANT: Lyamichev, Victor
APPLICANT: Allawi, Hatim
APPLICANT: Dong, Fang
APPLICANT: Neri, Bruce
APPLICANT: Vener, Tatiana
TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites
FILE REFERENCE: FORS-04586
CURRENT APPLICATION NUMBER: US/09/882,945A
CURRENT FILING DATE: 2001-06-15
NUMBER OF SEQ ID NOS: 334
SOFTWARE: PatentIn version 3.0
SEQ ID NO 26
LENGTH: 244
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic
US-09-882-945A-26

Query Match 100.0%; Score 20; DB 10; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.016; 0; Indels 0; Gaps 0;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||
DB 208 TTTCGGACCCCAACTACTC 189

RESULT 70
US-09-882-945A-27/c
Sequence 27, Application US/09882945A
Publication No. US2003014353A1
GENERAL INFORMATION:
APPLICANT: Lyamichev, Victor
APPLICANT: Allawi, Hatim
APPLICANT: Dong, Fang
APPLICANT: Neri, Bruce
APPLICANT: Vener, Tatiana
TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites
FILE REFERENCE: FORS-04586

```
; CURRENT APPLICATION NUMBER: US/09/882,945A
; CURRENT FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 27
; LENGTH: 244
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-09-882-945A-27
```

```
Query Match      100.0%; Score 20; DB 10; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 TTTCGGACCCCACTACTC 20
      |||||
Db      208 TTTCGGACCCCACTACTC 189
```

RESULT 71

```
US-09-882-945A-29/c
; Sequence 29, Application US/09882945A
; Publication No. US2003014353A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor
; APPLICANT: Allawi, Hatim
; APPLICANT: Dong, Fang
; APPLICANT: Neri, Bruce
; APPLICANT: Vener, Tatiana
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites
; FILE REFERENCE: FORS-04586
; CURRENT APPLICATION NUMBER: US/09/882,945A
; CURRENT FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 29
; LENGTH: 244
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-09-882-945A-29
```

```
Query Match      100.0%; Score 20; DB 10; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 TTTCGGACCCCACTACTC 20
      |||||
Db      208 TTTCGGACCCCACTACTC 189
```

RESULT 72

```
US-09-882-945A-31/c
; Sequence 31, Application US/09882945A
; Publication No. US2003014353A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor
; APPLICANT: Allawi, Hatim
; APPLICANT: Dong, Fang
; APPLICANT: Neri, Bruce
; APPLICANT: Vener, Tatiana
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites
; FILE REFERENCE: FORS-04586
; CURRENT APPLICATION NUMBER: US/09/882,945A
; CURRENT FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 31
; LENGTH: 244
; TYPE: DNA
```

```
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-09-882-945A-31
```

```
Query Match      100.0%; Score 20; DB 10; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 TTTCGGACCCCACTACTC 20
      |||||
Db      208 TTTCGGACCCCACTACTC 189
```

RESULT 73

```
US-10-688-272-16/c
; Sequence 16, Application US/10688272
; Publication No. US20040091924A1
; GENERAL INFORMATION:
; APPLICANT: GeneMatrix Inc.; Kim, Nam-Keun
; TITLE OF INVENTION: Method for detecting base mutation
; FILE REFERENCE: 11281-014-999
; CURRENT APPLICATION NUMBER: US/10/688,272
; CURRENT FILING DATE: 2003-10-17
; PRIOR APPLICATION NUMBER: KR2002-0063832
; PRIOR FILING DATE: 2002-10-18
; PRIOR APPLICATION NUMBER: KR2003-0061066
; PRIOR FILING DATE: 2003-09-02
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: KopatentIn 1.71
; SEQ ID NO 16
; LENGTH: 244
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: 5'Noncoding region of HCV
US-10-688-272-16
```

```
Query Match      100.0%; Score 20; DB 18; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 TTTCGGACCCCACTACTC 20
      |||||
Db      208 TTTCGGACCCCACTACTC 189
```

RESULT 74

```
US-10-807-114-26/c
; Sequence 26, Application US/10807114
; Publication No. US20040235024A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor
; APPLICANT: Allawi, Hatim
; APPLICANT: Dong, Fang
; APPLICANT: Neri, Bruce
; APPLICANT: Vener, Tatiana
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites
; FILE REFERENCE: FORS-04586
; CURRENT APPLICATION NUMBER: US/10/807,114
; CURRENT FILING DATE: 2004-03-23
; PRIOR APPLICATION NUMBER: US/09/882,945
; PRIOR FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 26
; LENGTH: 244
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-807-114-26
```


Query Match 100.0%; Score 20; DB 20; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||
Db 208 TTTCGGACCCCAACTACTC 189

RESULT 75

US-10-807-114-27/c
; Sequence 27, Application US/10807114
; Publication No. US20040235024A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor
; APPLICANT: Allawi, Hatim
; APPLICANT: Dong, Fang
; APPLICANT: Neri, Bruce
; APPLICANT: Vener, Tatiana
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites
; FILE REFERENCE: FORS-04586
; CURRENT APPLICATION NUMBER: US/10/807,114
; CURRENT FILING DATE: 2004-03-23
; PRIOR APPLICATION NUMBER: US/09/882,945
; PRIOR FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 27
; LENGTH: 244
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-807-114-27

Query Match 100.0%; Score 20; DB 20; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||
Db 208 TTTCGGACCCCAACTACTC 189

RESULT 76

US-10-807-114-29/c
; Sequence 29, Application US/10807114
; Publication No. US20040235024A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor
; APPLICANT: Allawi, Hatim
; APPLICANT: Dong, Fang
; APPLICANT: Neri, Bruce
; APPLICANT: Vener, Tatiana
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites
; FILE REFERENCE: FORS-04586
; CURRENT APPLICATION NUMBER: US/10/807,114
; CURRENT FILING DATE: 2004-03-23
; PRIOR APPLICATION NUMBER: US/09/882,945
; PRIOR FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 29
; LENGTH: 244
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-807-114-29

Query Match 100.0%; Score 20; DB 20; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||
Db 208 TTTCGGACCCCAACTACTC 189

RESULT 77

US-10-807-114-31/c
; Sequence 31, Application US/10807114
; Publication No. US20040235024A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor
; APPLICANT: Allawi, Hatim
; APPLICANT: Dong, Fang
; APPLICANT: Neri, Bruce
; APPLICANT: Vener, Tatiana
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites
; FILE REFERENCE: FORS-04586
; CURRENT APPLICATION NUMBER: US/10/807,114
; CURRENT FILING DATE: 2004-03-23
; PRIOR APPLICATION NUMBER: US/09/882,945
; PRIOR FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 31
; LENGTH: 244
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-807-114-31

Query Match 100.0%; Score 20; DB 20; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||
Db 208 TTTCGGACCCCAACTACTC 189

RESULT 78

US-10-655-362-26/c
; Sequence 26, Application US/10655362
; Publication No. US20050014163A1
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleot
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/10/655,362
; CURRENT FILING DATE: 2003-09-04
; PRIOR APPLICATION NUMBER: US/09/402,618B
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 26
; LENGTH: 244
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-10-655-362-26

Query Match 100.0%; Score 20; DB 21; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||
Db 208 TTTCGGACCCCAACTACTC 189

RESULT 79

US-10-655-362-27/c
; Sequence 27, Application US/10655362
; Publication No. US20050014163A1
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/10/655,362
; PRIOR FILING DATE: 2003-09-04
; PRIOR APPLICATION NUMBER: US/09/402,618B
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 27
; LENGTH: 244
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-10-655-362-27

Query Match 100.0%; Score 20; DB 21; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||
Db 208 TTTCGGACCCCAACTACTC 189

RESULT 80

US-10-655-362-29/c
; Sequence 29, Application US/10655362
; Publication No. US20050014163A1
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/10/655,362
; CURRENT FILING DATE: 2003-09-04
; PRIOR APPLICATION NUMBER: US/09/402,618B
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 29
; LENGTH: 244
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-10-655-362-29

Query Match 100.0%; Score 20; DB 21; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||
Db 208 TTTCGGACCCCAACTACTC 189

RESULT 81

US-10-655-362-31/c
; Sequence 31, Application US/10655362
; Publication No. US20050014163A1
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/10/655,362
; CURRENT FILING DATE: 2003-09-04
; PRIOR APPLICATION NUMBER: US/09/402,618B
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 31
; LENGTH: 244
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-10-655-362-31

Query Match 100.0%; Score 20; DB 21; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||
Db 208 TTTCGGACCCCAACTACTC 189

RESULT 82

US-10-655-362-124
; Sequence 124, Application US/10655362
; Publication No. US20050014163A1
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/10/655,362
; CURRENT FILING DATE: 2003-09-04
; PRIOR APPLICATION NUMBER: US/09/402,618B
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 124
; LENGTH: 244
; TYPE: DNA

; ORGANISM: Hepatitis C virus
US-10-655-362-124

Query Match 100.0%; Score 20; DB 21; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGGACCCCAACTACTC 20
|||||
Db 37 TTGCGGACCCCAACTACTC 56

RESULT 83

US-10-655-362-125
; Sequence 125, Application US/10655362
; Publication No. US20050014163A1

GENERAL INFORMATION:

; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides

; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/10/655,362
; CURRENT FILING DATE: 2003-09-04
; PRIOR APPLICATION NUMBER: US/09/402,618B
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 125
; LENGTH: 244
; TYPE: DNA

; ORGANISM: Hepatitis C virus
US-10-655-362-125

Query Match 100.0%; Score 20; DB 21; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGGACCCCAACTACTC 20
|||||
Db 37 TTGCGGACCCCAACTACTC 56

RESULT 84

US-10-655-362-127
; Sequence 127, Application US/10655362
; Publication No. US20050014163A1

GENERAL INFORMATION:

; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides

; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/10/655,362
; CURRENT FILING DATE: 2003-09-04
; PRIOR APPLICATION NUMBER: US/09/402,618B
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 127
; LENGTH: 244
; TYPE: DNA

; ORGANISM: Hepatitis C virus
US-10-655-362-127

Query Match 100.0%; Score 20; DB 21; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGGACCCCAACTACTC 20
|||||
Db 37 TTGCGGACCCCAACTACTC 56

RESULT 85

US-10-655-362-128
; Sequence 128, Application US/10655362
; Publication No. US20050014163A1

GENERAL INFORMATION:

; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides

; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/10/655,362
; CURRENT FILING DATE: 2003-09-04
; PRIOR APPLICATION NUMBER: US/09/402,618B
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 128
; LENGTH: 244
; TYPE: DNA

; ORGANISM: Hepatitis C virus
US-10-655-362-128

Query Match 100.0%; Score 20; DB 21; Length 244;
Best Local Similarity 80.0%; Pred. No. 0.016;
Matches 16; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGGACCCCAACTACTC 20
:::|||||
Db 37 UUCGCGACCCCAACACUACUC 56

RESULT 86

US-11-031-487-64/c

; Sequence 64, Application US/11031487
; Publication No. US20050196750A1

GENERAL INFORMATION:

; APPLICANT: Elagin, Vecheslav A.
; APPLICANT: Law, Scott
; APPLICANT: Hill, Bjork
; TITLE OF INVENTION: Determination of Hepatitis C Virus Genotype
; FILE REFERENCE: FORS-09463
; CURRENT APPLICATION NUMBER: US/11/031,487
; CURRENT FILING DATE: 2005-01-07
; NUMBER OF SEQ ID NOS: 69
; SOFTWARE: PatentIn version 3.3

; SEQ ID NO 64
; LENGTH: 244
; TYPE: DNA

; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic

```
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (52)..(52)
; OTHER INFORMATION: n is a, c, g, or t
US-11-031-487-64
```

```
Query Match      100.0%; Score 20; DB 24; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 TTCGGACCCCAACTACTC 20
         |||||
Db       208 TTCGGACCCCAACTACTC 189
```

RESULT 87

```
US-11-031-487-66/c
; Sequence 66, Application US/11031487
; Publication No. US20050196750A1
; GENERAL INFORMATION:
; APPLICANT: Elagin, Vecheslav A.
; APPLICANT: Law, Scott
; APPLICANT: Hill, Bjork
; TITLE OF INVENTION: Determination of Hepatitis C Virus Genotype
; FILE REFERENCE: FORS-09463
; CURRENT APPLICATION NUMBER: US/11/031,487
; CURRENT FILING DATE: 2005-01-07
; NUMBER OF SEQ ID NOS: 69
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 66
; LENGTH: 244
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-11-031-487-66
```

```
Query Match      100.0%; Score 20; DB 24; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 TTCGGACCCCAACTACTC 20
         |||||
Db       208 TTCGGACCCCAACTACTC 189
```

RESULT 88

```
US-11-031-487-67/c
; Sequence 67, Application US/11031487
; Publication No. US20050196750A1
; GENERAL INFORMATION:
; APPLICANT: Elagin, Vecheslav A.
; APPLICANT: Law, Scott
; APPLICANT: Hill, Bjork
; TITLE OF INVENTION: Determination of Hepatitis C Virus Genotype
; FILE REFERENCE: FORS-09463
; CURRENT APPLICATION NUMBER: US/11/031,487
; CURRENT FILING DATE: 2005-01-07
; NUMBER OF SEQ ID NOS: 69
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 67
; LENGTH: 244
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-11-031-487-67
```

```
Query Match      100.0%; Score 20; DB 24; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 TTCGGACCCCAACTACTC 20
```

```
Db       208 TTCGGACCCCAACTACTC 189
         |||||
```

RESULT 89

```
US-11-031-487-68/c
; Sequence 68, Application US/11031487
; Publication No. US20050196750A1
; GENERAL INFORMATION:
; APPLICANT: Elagin, Vecheslav A.
; APPLICANT: Law, Scott
; APPLICANT: Hill, Bjork
; TITLE OF INVENTION: Determination of Hepatitis C Virus Genotype
; FILE REFERENCE: FORS-09463
; CURRENT APPLICATION NUMBER: US/11/031,487
; CURRENT FILING DATE: 2005-01-07
; NUMBER OF SEQ ID NOS: 69
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 68
; LENGTH: 244
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-11-031-487-68
```

```
Query Match      100.0%; Score 20; DB 24; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 TTCGGACCCCAACTACTC 20
         |||||
Db       208 TTCGGACCCCAACTACTC 189
```

RESULT 90

```
US-10-292-129-13/c
; Sequence 13, Application US/10292129
; Publication No. US20030148267A1
; GENERAL INFORMATION:
; APPLICANT: Schmidt, Emmett Vance
; APPLICANT: Chung, Raymond Taeyong
; TITLE OF INVENTION: SCREENING ASSAY FOR HEPATITIS C VIRUS
; TITLE OF INVENTION: ANTIVIRAL AGENTS
; FILE REFERENCE: 00786-539001
; CURRENT APPLICATION NUMBER: US/10/292,129
; CURRENT FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: US 60/345,405
; PRIOR FILING DATE: 2001-11-09
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13
; LENGTH: 263
; TYPE: DNA
; ORGANISM: Hepatitis C virus
; FEATURE:
; OTHER INFORMATION: Synthetic construct
US-10-292-129-13
```

```
Query Match      100.0%; Score 20; DB 15; Length 263;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 TTCGGACCCCAACTACTC 20
         |||||
Db       217 TTCGGACCCCAACTACTC 198
```

RESULT 91

```
US-10-920-040-1
; Sequence 1, Application US/10920040
; Publication No. US20050130131A1
; GENERAL INFORMATION:
```

```
/ APPLICANT: Salahuddin, Syed Zaki
/ APPLICANT: California Institute of Molecular Medicine
/ TITLE OF INVENTION: Method for Isolation and Replication of Infectious
/ TITLE OF INVENTION: Human Hepatitis-C Virus
/ FILE REFERENCE: 025503-000100US
/ CURRENT APPLICATION NUMBER: US/10/920,040
/ PRIOR FILING DATE: 2004-08-16
/ PRIOR APPLICATION NUMBER: US 60/495,078
/ PRIOR FILING DATE: 2003-08-14
/ NUMBER OF SEQ ID NOS: 9
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 1
/ LENGTH: 271
/ TYPE: DNA
/ ORGANISM: Hepatitis C virus
/ FEATURE:
/ OTHER INFORMATION: cloned index isolate #081 CIMM-HCV 5' untranslated
/ OTHER INFORMATION: region (5'-UTR), probe obtained from automated DNA
/ OTHER INFORMATION: sequencing
/ US-10-920-040-1

Query Match 100.0%; Score 20; DB 22; Length 271;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGGACCCCAACTACTC 20
Db 40 TTGCGGACCCCAACTACTC 59

RESULT 92
US-10-363-177A-67/c
/ Sequence 67, Application US/10363177A
/ Publication No. US2005008481A1
/ GENERAL INFORMATION:
/ APPLICANT: Pyrosequencing AB
/ APPLICANT: The Board of Trustees of the Leland Stanford Junior University
/ APPLICANT: Ronaghi, Mostafa
/ APPLICANT: Pourmand, Nader
/ APPLICANT: Ekstrom, Bjorn
/ TITLE OF INVENTION: Method of nucleic acid typing and sequencing
/ FILE REFERENCE: Docket 14629
/ CURRENT APPLICATION NUMBER: US/10/363,177A
/ CURRENT FILING DATE: 2003-03-06
/ NUMBER OF SEQ ID NOS: 72
/ SOFTWARE: PatentIn version 3.0
/ SEQ ID NO 67
/ LENGTH: 278
/ TYPE: DNA
/ ORGANISM: Hepatitis C virus
/ US-10-363-177A-67

Query Match 100.0%; Score 20; DB 21; Length 278;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGGACCCCAACTACTC 20
Db 233 TTGCGGACCCCAACTACTC 214

RESULT 93
US-09-940-925A-121/c
/ Sequence 121, Application US/09940925A
/ Publication No. US20030054338A1
/ GENERAL INFORMATION:
/ APPLICANT: BROW, MARY ANN D.
/ APPLICANT: LYAMICHEV, VICTOR I.
/ OLIVE, DAVID M.
/ TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
/ NUMBER OF SEQUENCES: 165
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: MEDLEN & CARROLL
/ STREET: 220 MONTGOMERY STREET, SUITE 2200
/ CITY: SAN FRANCISCO
/ STATE: CALIFORNIA
/ COUNTRY: UNITED STATES OF AMERICA
/ ZIP: 94104
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION NUMBER: US/09/940,925A
/ FILING DATE: 10-Jun-2002
/ CLASSIFICATION: <Unknown>
/ ATTORNEY/AGENT INFORMATION:
/ NAME: CARROLL, PETER G.
/ REGISTRATION NUMBER: 32,837
/ REFERENCE/DOCKET NUMBER: FORS-01756
/ TELECOMMUNICATION INFORMATION:
```

```
/ ADDRESSEE: MEDLEN & CARROLL
/ STREET: 220 MONTGOMERY STREET, SUITE 2200
/ CITY: SAN FRANCISCO
/ STATE: CALIFORNIA
/ COUNTRY: UNITED STATES OF AMERICA
/ ZIP: 94104
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION NUMBER: US/09/940,925A
/ FILING DATE: 10-Jun-2002
/ CLASSIFICATION: <Unknown>
/ ATTORNEY/AGENT INFORMATION:
/ NAME: CARROLL, PETER G.
/ REGISTRATION NUMBER: 32,837
/ REFERENCE/DOCKET NUMBER: FORS-01756
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 705-8410
/ TELEFAX: (415) 397-8338
/ INFORMATION FOR SEQ ID NO: 121:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 281 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA (genomic)
/ SEQUENCE DESCRIPTION: SEQ ID NO: 121:
US-09-940-925A-121

Query Match 100.0%; Score 20; DB 10; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGGACCCCAACTACTC 20
Db 218 TTGCGGACCCCAACTACTC 199

RESULT 94
US-09-940-925A-123/c
/ Sequence 123, Application US/09940925A
/ Publication No. US20030054338A1
/ GENERAL INFORMATION:
/ APPLICANT: BROW, MARY ANN D.
/ APPLICANT: LYAMICHEV, VICTOR I.
/ OLIVE, DAVID M.
/ TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
/ NUMBER OF SEQUENCES: 165
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: MEDLEN & CARROLL
/ STREET: 220 MONTGOMERY STREET, SUITE 2200
/ CITY: SAN FRANCISCO
/ STATE: CALIFORNIA
/ COUNTRY: UNITED STATES OF AMERICA
/ ZIP: 94104
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION NUMBER: US/09/940,925A
/ FILING DATE: 10-Jun-2002
/ CLASSIFICATION: <Unknown>
/ ATTORNEY/AGENT INFORMATION:
/ NAME: CARROLL, PETER G.
/ REGISTRATION NUMBER: 32,837
/ REFERENCE/DOCKET NUMBER: FORS-01756
/ TELECOMMUNICATION INFORMATION:
```

```
/
/ TELEPHONE: (415) 705-8410
/ TELEFAX: (415) 397-8338
/ INFORMATION FOR SEQ ID NO: 123:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 281 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA (genomic)
/ SEQUENCE DESCRIPTION: SEQ ID NO: 123:
US-09-940-925A-123

Query Match 100.0%; Score 20; DB 10; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 218 TTTCGGACCCCAACTACTC 199

RESULT 95
US-09-940-925A-126/c
/ Sequence 126, Application US/09940925A
/ Publication No. US20030054338A1
/ GENERAL INFORMATION:
/ APPLICANT: BROW, MARY ANN D.
/ LYAMICHEV, VICTOR I.
/ OLIVE, DAVID M.
/ TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
/ PATHOGENS
/ NUMBER OF SEQUENCES: 165
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: MEDLEN & CARROLL
/ STREET: 220 MONTGOMERY STREET, SUITE 2200
/ CITY: SAN FRANCISCO
/ STATE: CALIFORNIA
/ COUNTRY: UNITED STATES OF AMERICA
/ ZIP: 94104
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/940,925A
/ FILING DATE: 10-Jun-2002
/ CLASSIFICATION: <Unknown>
/ ATTORNEY/AGENT INFORMATION:
/ NAME: CARROLL, PETER G.
/ REGISTRATION NUMBER: 32,837
/ REFERENCE/DOCKET NUMBER: FORS-01756
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 705-8410
/ TELEFAX: (415) 397-8338
/ INFORMATION FOR SEQ ID NO: 126:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 281 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA (genomic)
/ SEQUENCE DESCRIPTION: SEQ ID NO: 126:
US-09-940-925A-126

Query Match 100.0%; Score 20; DB 10; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 218 TTTCGGACCCCAACTACTC 199

RESULT 96
US-09-940-925A-127
/ Sequence 127, Application US/09940925A
/ Publication No. US20030054338A1
/ GENERAL INFORMATION:
/ APPLICANT: BROW, MARY ANN D.
/ LYAMICHEV, VICTOR I.
/ OLIVE, DAVID M.
/ TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
/ PATHOGENS
/ NUMBER OF SEQUENCES: 165
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: MEDLEN & CARROLL
/ STREET: 220 MONTGOMERY STREET, SUITE 2200
/ CITY: SAN FRANCISCO
/ STATE: CALIFORNIA
/ COUNTRY: UNITED STATES OF AMERICA
/ ZIP: 94104
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/940,925A
/ FILING DATE: 10-Jun-2002
/ CLASSIFICATION: <Unknown>
/ ATTORNEY/AGENT INFORMATION:
/ NAME: CARROLL, PETER G.
/ REGISTRATION NUMBER: 32,837
/ REFERENCE/DOCKET NUMBER: FORS-01756
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 705-8410
/ TELEFAX: (415) 397-8338
/ INFORMATION FOR SEQ ID NO: 127:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 281 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA (genomic)
/ SEQUENCE DESCRIPTION: SEQ ID NO: 127:
US-09-940-925A-127

Query Match 100.0%; Score 20; DB 10; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 64 TTTCGGACCCCAACTACTC 83

RESULT 97
US-09-940-925A-128
/ Sequence 128, Application US/09940925A
/ Publication No. US20030054338A1
/ GENERAL INFORMATION:
/ APPLICANT: BROW, MARY ANN D.
/ LYAMICHEV, VICTOR I.
/ OLIVE, DAVID M.
/ TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
/ PATHOGENS
/ NUMBER OF SEQUENCES: 165
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: MEDLEN & CARROLL
/ STREET: 220 MONTGOMERY STREET, SUITE 2200
/ CITY: SAN FRANCISCO
/ STATE: CALIFORNIA
/ COUNTRY: UNITED STATES OF AMERICA
/ ZIP: 94104
/ COMPUTER READABLE FORM:
```

```
;
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/940,925A
; FILING DATE: 10-Jun-2002
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 128:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 128:
US-09-940-925A-128

Query Match      100.0%; Score 20; DB 10; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  TTCCGCGACCCCAACTACTC 20
Db      64  TTCCGCGACCCCAACTACTC 83

RESULT 98
US-09-940-925A-129
; Sequence 129, Application US/09940925A
; Publication No. US20030054338A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; LYAMICHEV, VICTOR I.
; OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/940,925A
; FILING DATE: 10-Jun-2002
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 129:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
```

```
;
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 129:
US-09-940-925A-129

Query Match      100.0%; Score 20; DB 10; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  TTCCGCGACCCCAACTACTC 20
Db      64  TTCCGCGACCCCAACTACTC 83

RESULT 99
US-09-940-925A-132
; Sequence 132, Application US/09940925A
; Publication No. US20030054338A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; LYAMICHEV, VICTOR I.
; OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/940,925A
; FILING DATE: 10-Jun-2002
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 132:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 132:
US-09-940-925A-132

Query Match      100.0%; Score 20; DB 10; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  TTCCGCGACCCCAACTACTC 20
Db      64  TTCCGCGACCCCAACTACTC 83

RESULT 100
US-09-941-193A-121/c
; Sequence 121, Application US/09941193A
; Publication No. US20030108873A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
```

```

; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
;   NAME: CARROLL, PETER G.
;   REGISTRATION NUMBER: 32,837
;   REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (415) 705-8410
;   TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 123:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 281 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: double
;   TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 123:
US-09-941-193A-123

Query Match          100.0%; Score 20; DB 10; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0;

QY      1  TTGCGACCCCAACTACTC 20
        |||||||||
Db       218 TTGCGACCCCAACTACTC 199

RESULT 102
US-09-941-193A-126/C
; Sequence 126, Application US/09941193A
; Publication No. US20030108873A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
;             LYAMICHEV, VICTOR I.
;             OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/941,193A
; FILING DATE: 28-Aug-2001
; CLASSIFICATION: <unknown>
; ATTORNEY/AGENT INFORMATION:
;   NAME: CARROLL, PETER G.
;   REGISTRATION NUMBER: 32,837
;   REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (415) 705-8410
;   TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 126:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 281 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: double
;   TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 126:
US-09-941-193A-126

Query Match          100.0%; Score 20; DB 10; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.016;

```


Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCCGCGACCCAACTACTC 20
|||||
Db 218 TTCCGCGACCCAACTACTC 199

RESULT 103

US-09-941-193A-127
; Sequence 127, Application US/09941193A
; Publication No. US20030108873A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; LYAMICHEV, VICTOR I.
; OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS

NUMBER OF SEQUENCES: 165
CORRESPONDENCE ADDRESS:
ADDRESSEE: MEDLEN & CARROLL
STREET: 220 MONTGOMERY STREET, SUITE 2200
CITY: SAN FRANCISCO
STATE: CALIFORNIA
COUNTRY: UNITED STATES OF AMERICA
ZIP: 94104

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/941,193A
FILING DATE: 28-Aug-2001
CLASSIFICATION: <Unknown>

ATTORNEY/AGENT INFORMATION:
NAME: CARROLL, PETER G.
REGISTRATION NUMBER: 32,837
REFERENCE/DOCKET NUMBER: FORS-01756
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 705-8410
TELEFAX: (415) 397-8338

INFORMATION FOR SEQ ID NO: 127:
SEQUENCE CHARACTERISTICS:
LENGTH: 281 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 127:

US-09-941-193A-127

Query Match 100.0%; Score 20; DB 10; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCCGCGACCCAACTACTC 20
|||||
Db 64 TTCCGCGACCCAACTACTC 83

RESULT 104

US-09-941-193A-128
; Sequence 128, Application US/09941193A
; Publication No. US20030108873A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; LYAMICHEV, VICTOR I.
; OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS

NUMBER OF SEQUENCES: 165
CORRESPONDENCE ADDRESS:
ADDRESSEE: MEDLEN & CARROLL

STREET: 220 MONTGOMERY STREET, SUITE 2200
CITY: SAN FRANCISCO
STATE: CALIFORNIA
COUNTRY: UNITED STATES OF AMERICA
ZIP: 94104

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/941,193A
FILING DATE: 28-Aug-2001
CLASSIFICATION: <Unknown>

ATTORNEY/AGENT INFORMATION:
NAME: CARROLL, PETER G.
REGISTRATION NUMBER: 32,837
REFERENCE/DOCKET NUMBER: FORS-01756
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 705-8410
TELEFAX: (415) 397-8338

INFORMATION FOR SEQ ID NO: 128:
SEQUENCE CHARACTERISTICS:
LENGTH: 281 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 128:

US-09-941-193A-128

Query Match 100.0%; Score 20; DB 10; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCCGCGACCCAACTACTC 20
|||||
Db 64 TTCCGCGACCCAACTACTC 83

RESULT 105

US-09-941-193A-129
; Sequence 129, Application US/09941193A
; Publication No. US20030108873A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; LYAMICHEV, VICTOR I.
; OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS

NUMBER OF SEQUENCES: 165
CORRESPONDENCE ADDRESS:
ADDRESSEE: MEDLEN & CARROLL

STREET: 220 MONTGOMERY STREET, SUITE 2200
CITY: SAN FRANCISCO
STATE: CALIFORNIA
COUNTRY: UNITED STATES OF AMERICA
ZIP: 94104

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/941,193A
FILING DATE: 28-Aug-2001
CLASSIFICATION: <Unknown>

ATTORNEY/AGENT INFORMATION:
NAME: CARROLL, PETER G.
REGISTRATION NUMBER: 32,837
REFERENCE/DOCKET NUMBER: FORS-01756
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 705-8410

TELEFAX: (415) 397-8338
INFORMATION FOR SEQ ID NO: 129:
SEQUENCE CHARACTERISTICS:
LENGTH: 281 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 129:
US-09-941-193A-129

Query Match 100.0%; Score 20; DB 10; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 64 TTTCGGACCCCAACTACTC 83

RESULT 106

US-09-941-193A-132
Sequence 132, Application US/09941193A
Publication No. US20030108873A1
GENERAL INFORMATION:
APPLICANT: BROW, MARY ANN D.
LYAMICHEV, VICTOR I.
OLIVE, DAVID M.

TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
PATHOGENS

NUMBER OF SEQUENCES: 165

CORRESPONDENCE ADDRESS:

ADDRESSEE: MEDLEN & CARROLL
STREET: 220 MONTGOMERY STREET, SUITE 2200
CITY: SAN FRANCISCO
STATE: CALIFORNIA
COUNTRY: UNITED STATES OF AMERICA
ZIP: 94104

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/941,193A

FILING DATE: 28-Aug-2001

CLASSIFICATION: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: CARROLL, PETER G.

REGISTRATION NUMBER: 32,837

REFERENCE/DOCKET NUMBER: FORS-01756

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 705-8410

TELEFAX: (415) 397-8338

INFORMATION FOR SEQ ID NO: 132:

SEQUENCE CHARACTERISTICS:

LENGTH: 281 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

SEQUENCE DESCRIPTION: SEQ ID NO: 132:

US-09-941-193A-132

Query Match 100.0%; Score 20; DB 10; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 64 TTTCGGACCCCAACTACTC 83

RESULT 107

US-10-409-594-121/c
Sequence 121, Application US/10409594
Publication No. US20050158716A1
GENERAL INFORMATION:

APPLICANT: BROW, MARY ANN D.

LYAMICHEV, VICTOR I.

OLIVE, DAVID M.

TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF

PATHOGENS

NUMBER OF SEQUENCES: 165

CORRESPONDENCE ADDRESS:

ADDRESSEE: MEDLEN & CARROLL

STREET: 220 MONTGOMERY STREET, SUITE 2200

CITY: SAN FRANCISCO

STATE: CALIFORNIA

COUNTRY: UNITED STATES OF AMERICA

ZIP: 94104

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/409,594

FILING DATE: 08-Apr-2003

CLASSIFICATION: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: CARROLL, PETER G.

REGISTRATION NUMBER: 32,837

REFERENCE/DOCKET NUMBER: FORS-01756

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 705-8410

TELEFAX: (415) 397-8338

INFORMATION FOR SEQ ID NO: 121:

SEQUENCE CHARACTERISTICS:

LENGTH: 281 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

SEQUENCE DESCRIPTION: SEQ ID NO: 121:

US-10-409-594-121

Query Match 100.0%; Score 20; DB 22; Length 281;

Best Local Similarity 100.0%; Pred. No. 0.016;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20

Db 218 TTTCGGACCCCAACTACTC 199

RESULT 108

US-10-409-594-123/c

Sequence 123, Application US/10409594

Publication No. US20050158716A1

GENERAL INFORMATION:

APPLICANT: BROW, MARY ANN D.

LYAMICHEV, VICTOR I.

OLIVE, DAVID M.

TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF

PATHOGENS

NUMBER OF SEQUENCES: 165

CORRESPONDENCE ADDRESS:

ADDRESSEE: MEDLEN & CARROLL

STREET: 220 MONTGOMERY STREET, SUITE 2200

CITY: SAN FRANCISCO

STATE: CALIFORNIA

COUNTRY: UNITED STATES OF AMERICA

ZIP: 94104

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk


```
;
; OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION NUMBER: US/10/409,594
; FILING DATE: 08-Apr-2003
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 128:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 128:
US-10-409-594-128
Query Match 100.0%; Score 20; DB 22; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
Db 64 TTTCGGACCCCACTACTC 83

RESULT 112
US-10-409-594-129
; Sequence 129, Application US/10409594
; Publication No. US20050158716A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; LYAMICHEV, VICTOR I.
; OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION NUMBER: US/10/409,594
; FILING DATE: 08-Apr-2003
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 132:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 132:
US-10-409-594-132
Query Match 100.0%; Score 20; DB 22; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
;
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 129:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 129:
US-10-409-594-129
Query Match 100.0%; Score 20; DB 22; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
Db 64 TTTCGGACCCCACTACTC 83

RESULT 113
US-10-409-594-132
; Sequence 132, Application US/10409594
; Publication No. US20050158716A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; LYAMICHEV, VICTOR I.
; OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION NUMBER: US/10/409,594
; FILING DATE: 08-Apr-2003
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 132:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 132:
US-10-409-594-132
Query Match 100.0%; Score 20; DB 22; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

QY 1 TTCCGGACCCCACTACTC 20
Db 64 TTCCGGACCCCACTACTC 83

RESULT 114

US-09-940-925A-124/c
; Sequence 124, Application US/09940925A
; Publication No. US20030054338A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; LYAMICHEV, VICTOR I.
; OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/940,925A
; FILING DATE: 10-Jun-2002
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 124:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 282 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 124:
US-09-940-925A-124

Query Match 100.0%; Score 20; DB 10; Length 282;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCCGGACCCCACTACTC 20
Db 219 TTCCGGACCCCACTACTC 200

RESULT 115

US-09-940-925A-130
; Sequence 130, Application US/09940925A
; Publication No. US20030054338A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; LYAMICHEV, VICTOR I.
; OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200

; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/940,925A
; FILING DATE: 10-Jun-2002
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 130:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 282 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 130:
US-09-940-925A-130

Query Match 100.0%; Score 20; DB 10; Length 282;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCCGGACCCCACTACTC 20
Db 64 TTCCGGACCCCACTACTC 83

RESULT 116

US-09-941-193A-124/c
; Sequence 124, Application US/09941193A
; Publication No. US20030108873A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; LYAMICHEV, VICTOR I.
; OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/941,193A
; FILING DATE: 28-Aug-2001
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338

```

; INFORMATION FOR SEQ ID NO: 124:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 282 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 124:
US-09-941-193A-124
Query Match 100.0%; Score 20; DB 10; Length 282;
Best Local Similarity 100.0%; Pred. No. 0.016; Indels 0; Gaps 0;
Matches 20; Conservative 0; Mismatches 0;

QY 1 TTTCGGACCCCACTACTC 20
DB 219 TTTCGGACCCCACTACTC 200

RESULT 117
US-09-941-193A-130
; Sequence 130, Application US/09941193A
; Publication No. US20030108873A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; LYAMICHEV, VICTOR I.
; OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; FILING DATE: 08-Apr-2003
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 124:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 282 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 124:
US-10-409-594-124
Query Match 100.0%; Score 20; DB 22; Length 282;
Best Local Similarity 100.0%; Pred. No. 0.016; Indels 0; Gaps 0;
Matches 20; Conservative 0; Mismatches 0;

QY 1 TTTCGGACCCCACTACTC 20
DB 219 TTTCGGACCCCACTACTC 200

RESULT 119
US-10-409-594-130
; Sequence 130, Application US/10409594
; Publication No. US20050158716A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; LYAMICHEV, VICTOR I.
; OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; FILING DATE: 28-Aug-2001
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 130:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 282 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 130:
US-09-941-193A-130
Query Match 100.0%; Score 20; DB 10; Length 282;
Best Local Similarity 100.0%; Pred. No. 0.016; Indels 0; Gaps 0;
Matches 20; Conservative 0; Mismatches 0;

QY 1 TTTCGGACCCCACTACTC 20
DB 64 TTTCGGACCCCACTACTC 83

RESULT 118

```

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/409,594
FILING DATE: 08-Apr-2003
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: CARROLL, PETER G.
REGISTRATION NUMBER: 32,837
REFERENCE/DOCKET NUMBER: FORS-01756
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 705-8410
TELEFAX: (415) 397-8338
INFORMATION FOR SEQ ID NO: 130:
SEQUENCE CHARACTERISTICS:
LENGTH: 282 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 130:
US-10-409-594-130

Query Match 100.0%; Score 20; DB 22; Length 282;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACACTACTC 20
|||||
DB 64 TTTCGGACCCCAACACTACTC 83

RESULT 120

US-09-825-574-21/c
Sequence 21, Application US/09825574
Patent No. US20020119454A1
GENERAL INFORMATION:
APPLICANT: Lyamichev, Victor I.
Fors, Lance
Neri, Bruce P.

TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
Structure Probing With Structure-Bridging
Oligonucleotides.

NUMBER OF SEQUENCES: 51

CORRESPONDENCE ADDRESS:

ADDRESSEE: MEDLEN & CARROLL, LLP
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94104

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/825,574

FILING DATE: 03-Apr-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/934,097

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: MacKnight, Kamrin T.

REGISTRATION NUMBER: 38,230

REFERENCE/DOCKET NUMBER: FORS-02980

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 705-8410

TELEFAX: (415) 397-8338

INFORMATION FOR SEQ ID NO: 21:

SEQUENCE CHARACTERISTICS:

LENGTH: 286 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: Other nucleic acid
DESCRIPTION: /desc = "DNA"
SEQUENCE DESCRIPTION: SEQ ID NO: 21:
US-09-825-574-21

Query Match 100.0%; Score 20; DB 9; Length 286;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACACTACTC 20
|||||
DB 222 TTTCGGACCCCAACACTACTC 203

RESULT 121

US-09-882-945A-21/c
Sequence 21, Application US/09882945A
Publication No. US20030143535A1
GENERAL INFORMATION:

APPLICANT: Lyamichev, Victor

APPLICANT: Allawi, Hatim

APPLICANT: Dong, Fang

APPLICANT: Neri, Bruce

APPLICANT: Vener, Tatiana

TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites

FILE REFERENCE: FORS-04586

CURRENT APPLICATION NUMBER: US/09/882,945A

CURRENT FILING DATE: 2001-06-15

NUMBER OF SEQ ID NOS: 334

SOFTWARE: PatentIn version 3.0

SEQ ID NO 21

LENGTH: 286

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Synthetic

US-09-882-945A-21

Query Match 100.0%; Score 20; DB 10; Length 286;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACACTACTC 20
|||||
DB 222 TTTCGGACCCCAACACTACTC 203

RESULT 122

US-10-807-114-21/c
Sequence 21, Application US/10807114
Publication No. US20040235024A1
GENERAL INFORMATION:

APPLICANT: Lyamichev, Victor

APPLICANT: Allawi, Hatim

APPLICANT: Dong, Fang

APPLICANT: Neri, Bruce

APPLICANT: Vener, Tatiana

TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites

FILE REFERENCE: FORS-04586

CURRENT APPLICATION NUMBER: US/10/807,114

CURRENT FILING DATE: 2004-03-23

PRIOR APPLICATION NUMBER: US/09/882,945

PRIOR FILING DATE: 2001-06-15

NUMBER OF SEQ ID NOS: 334

SOFTWARE: PatentIn version 3.0

SEQ ID NO 21

LENGTH: 286

TYPE: DNA

ORGANISM: Artificial Sequence

```

; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-807-114-21

Query Match      100.0%; Score 20; DB 20; Length 286;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1  TTTCGGACCCCAACTACTC 20
      |||
Db      222 TTTCGGACCCCAACTACTC 203

RESULT 123
US-10-655-362-21/c
; Sequence 21, Application US/10655362
; Publication No. US20050014163A1
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/10/655,362
; PRIOR FILING DATE: 2003-09-04
; PRIOR APPLICATION NUMBER: US/09/402,618B
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 21
; LENGTH: 286
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-10-655-362-21

Query Match      100.0%; Score 20; DB 21; Length 286;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1  TTTCGGACCCCAACTACTC 20
      |||
Db      222 TTTCGGACCCCAACTACTC 203

RESULT 124
US-09-825-574-20/c
; Sequence 20, Application US/09825574
; Patent No. US20020119454A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; Structure Probing With Structure-Bridging Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; MEDIUM TYPE: Floppy disk
; COMPUTER READABLE FORM:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980

;
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/825,574
; FILING DATE: 03-Apr-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/934,097
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 289 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 20:
US-09-825-574-20

Query Match      100.0%; Score 20; DB 9; Length 289;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1  TTTCGGACCCCAACTACTC 20
      |||
Db      222 TTTCGGACCCCAACTACTC 203

RESULT 125
US-09-825-574-23/c
; Sequence 23, Application US/09825574
; Patent No. US20020119454A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; Structure Probing With Structure-Bridging Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; MEDIUM TYPE: Floppy disk
; COMPUTER READABLE FORM:
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/825,574
; FILING DATE: 03-Apr-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/934,097
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
```



```
/
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 705-8410
/ TELEFAX: (415) 397-8338
/ INFORMATION FOR SEQ ID NO: 23:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 289 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ MOLECULE TYPE: other nucleic acid
/ DESCRIPTION: /desc = "DNA"
/ SEQUENCE DESCRIPTION: SEQ ID NO: 23:
US-09-825-574-23

Query Match 100.0%; Score 20; DB 9; Length 289;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 222 TTTCGGACCCCAACTACTC 203

RESULT 126
US-09-882-945A-20/c
; Sequence 20, Application US/09882945A
; Publication No. US20030143535A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor
; APPLICANT: Allawi, Hatim
; APPLICANT: Dong, Fang
; APPLICANT: Neri, Bruce
; APPLICANT: Vener, Tatiana
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites
; FILE REFERENCE: FORS-04586
; CURRENT APPLICATION NUMBER: US/09/882,945A
; PRIOR FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 20
; LENGTH: 289
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-09-882-945A-20

Query Match 100.0%; Score 20; DB 10; Length 289;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 222 TTTCGGACCCCAACTACTC 203

RESULT 127
US-09-882-945A-23/c
; Sequence 23, Application US/09882945A
; Publication No. US20030143535A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor
; APPLICANT: Allawi, Hatim
; APPLICANT: Dong, Fang
; APPLICANT: Neri, Bruce
; APPLICANT: Vener, Tatiana
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites
; FILE REFERENCE: FORS-04586
; CURRENT APPLICATION NUMBER: US/09/882,945A
; PRIOR FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 23
; LENGTH: 289
; TYPE: DNA
; ORGANISM: Artificial Sequence
```

```
/
/ LENGTH: 289
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Synthetic
US-09-882-945A-23

Query Match 100.0%; Score 20; DB 10; Length 289;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 222 TTTCGGACCCCAACTACTC 203

RESULT 128
US-10-807-114-20/c
; Sequence 20, Application US/10807114
; Publication No. US20040235024A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor
; APPLICANT: Allawi, Hatim
; APPLICANT: Dong, Fang
; APPLICANT: Neri, Bruce
; APPLICANT: Vener, Tatiana
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites
; FILE REFERENCE: FORS-04586
; CURRENT APPLICATION NUMBER: US/10/807,114
; PRIOR FILING DATE: 2004-03-23
; PRIOR APPLICATION NUMBER: US/09/882,945
; PRIOR FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 20
; LENGTH: 289
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-807-114-20

Query Match 100.0%; Score 20; DB 20; Length 289;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 222 TTTCGGACCCCAACTACTC 203

RESULT 129
US-10-807-114-23/c
; Sequence 23, Application US/10807114
; Publication No. US20040235024A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor
; APPLICANT: Allawi, Hatim
; APPLICANT: Dong, Fang
; APPLICANT: Neri, Bruce
; APPLICANT: Vener, Tatiana
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites
; FILE REFERENCE: FORS-04586
; CURRENT APPLICATION NUMBER: US/10/807,114
; PRIOR FILING DATE: 2004-03-23
; PRIOR APPLICATION NUMBER: US/09/882,945
; PRIOR FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 23
; LENGTH: 289
; TYPE: DNA
; ORGANISM: Artificial Sequence
```

```
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-807-114-23

Query Match      100.0%; Score 20; DB 20; Length 289;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGACCCCAACACTACTC 20
    |||||
Db 222 TTGCGACCCCAACACTACTC 203

RESULT 130
US-10-655-362-20/c
; Sequence 20, Application US/10655362
; Publication No. US20050014163A1
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/10/655,362
; CURRENT FILING DATE: 2003-09-04
; PRIOR APPLICATION NUMBER: US/09/402,618B
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 20
; LENGTH: 289
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-10-655-362-20

Query Match      100.0%; Score 20; DB 21; Length 289;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGACCCCAACACTACTC 20
    |||||
Db 222 TTGCGACCCCAACACTACTC 203

RESULT 131
US-10-655-362-23/c
; Sequence 23, Application US/10655362
; Publication No. US20050014163A1
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/10/655,362
; CURRENT FILING DATE: 2003-09-04
; PRIOR APPLICATION NUMBER: US/09/402,618B
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
```

```
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 23
; LENGTH: 289
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-655-362-23

Query Match      100.0%; Score 20; DB 21; Length 289;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGACCCCAACACTACTC 20
    |||||
Db 222 TTGCGACCCCAACACTACTC 203

RESULT 132
US-09-345-761-7/c
; Sequence 7, Application US/09345761
; Patent No. US20010053518A1
; GENERAL INFORMATION:
; APPLICANT: ISHIGURO, Takahiko
; APPLICANT: SAITOH, Juichi
; APPLICANT: ISHIZUKA, Tetsuya
; TITLE OF INVENTION: METHOD OF ASSAY OF TARGET NUCLEIC ACID
; FILE REFERENCE: Q54969
; CURRENT APPLICATION NUMBER: US/09/345,761
; CURRENT FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: JP 10-186434
; PRIOR FILING DATE: 1998-07-01
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7
; LENGTH: 298
; TYPE: RNA
; ORGANISM: Synthetic Construct
US-09-345-761-7

Query Match      100.0%; Score 20; DB 9; Length 298;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGACCCCAACACTACTC 20
    |||||
Db 261 TTGCGACCCCAACACTACTC 242

RESULT 133
US-10-687-588-7/c
; Sequence 7, Application US/10687588
; Publication No. US20040115718A1
; GENERAL INFORMATION:
; APPLICANT: ISHIGURO, Takahiko
; APPLICANT: SAITOH, Juichi
; APPLICANT: ISHIZUKA, Tetsuya
; TITLE OF INVENTION: METHOD OF ASSAY OF TARGET NUCLEIC ACID
; FILE REFERENCE: Q54969
; CURRENT APPLICATION NUMBER: US/10/687,588
; CURRENT FILING DATE: 2003-10-20
; PRIOR APPLICATION NUMBER: US/09/345,761
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: JP 10-186434
; PRIOR FILING DATE: 1998-07-01
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7
; LENGTH: 298
; TYPE: RNA
; ORGANISM: Synthetic Construct
US-10-687-588-7
```

```
Query Match      100.0%; Score 20; DB 19; Length 298;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 261 TTTCGGACCCCAACTACTC 242
|||||
|||||

RESULT 134
US-10-230-381-1/c
; Sequence 1, Application US/10230381
; Publication No. US20030152591A1
; GENERAL INFORMATION:
; APPLICANT: Innogenetics N.V.
; TITLE OF INVENTION: New hepatitis C virus genotype 13, and its use as prophylactic,
; FILE REFERENCE: INN-124-EP
; CURRENT APPLICATION NUMBER: US/10/230,381
; CURRENT FILING DATE: 2002-08-29
; NUMBER OF SEQ ID NOS: 63
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 299
; TYPE: DNA
; ORGANISM: hepatitis C virus
US-10-230-381-1

Query Match      100.0%; Score 20; DB 16; Length 299;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 233 TTTCGGACCCCAACTACTC 214
|||||
|||||

RESULT 135
US-10-363-177A-63/c
; Sequence 63, Application US/10363177A
; Publication No. US20050084851A1
; GENERAL INFORMATION:
; APPLICANT: Pyrosequencing AB
; APPLICANT: The Board of Trustees of the Leland Stanford Junior University
; APPLICANT: Ronaghi, Mostafa
; APPLICANT: Pourmand, Nader
; APPLICANT: Ekstrom, Bjorn
; TITLE OF INVENTION: Method of nucleic acid typing and sequencing
; FILE REFERENCE: Docket 14629
; CURRENT APPLICATION NUMBER: US/10/363,177A
; CURRENT FILING DATE: 2003-03-06
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 63
; LENGTH: 305
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-10-363-177A-63

Query Match      100.0%; Score 20; DB 21; Length 305;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 233 TTTCGGACCCCAACTACTC 214
|||||
|||||

RESULT 136
US-10-363-177A-64/c
; Sequence 64, Application US/10363177A
; Publication No. US20050084851A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Pyrosequencing AB
; APPLICANT: The Board of Trustees of the Leland Stanford Junior University
; APPLICANT: Ronaghi, Mostafa
; APPLICANT: Pourmand, Nader
; APPLICANT: Ekstrom, Bjorn
; TITLE OF INVENTION: Method of nucleic acid typing and sequencing
; FILE REFERENCE: Docket 14629
; CURRENT APPLICATION NUMBER: US/10/363,177A
; CURRENT FILING DATE: 2003-03-06
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 64
; LENGTH: 305
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-10-363-177A-64

Query Match      100.0%; Score 20; DB 21; Length 305;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 233 TTTCGGACCCCAACTACTC 214
|||||
|||||

RESULT 137
US-10-363-177A-68/c
; Sequence 68, Application US/10363177A
; Publication No. US20050084851A1
; GENERAL INFORMATION:
; APPLICANT: Pyrosequencing AB
; APPLICANT: The Board of Trustees of the Leland Stanford Junior University
; APPLICANT: Ronaghi, Mostafa
; APPLICANT: Pourmand, Nader
; APPLICANT: Ekstrom, Bjorn
; TITLE OF INVENTION: Method of nucleic acid typing and sequencing
; FILE REFERENCE: Docket 14629
; CURRENT APPLICATION NUMBER: US/10/363,177A
; CURRENT FILING DATE: 2003-03-06
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 68
; LENGTH: 305
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-10-363-177A-68

Query Match      100.0%; Score 20; DB 21; Length 305;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 233 TTTCGGACCCCAACTACTC 214
|||||
|||||

RESULT 138
US-09-345-761-6/c
; Sequence 6, Application US/09345761
; Patent No. US20010053518A1
; GENERAL INFORMATION:
; APPLICANT: ISHIGURO, Takahiko
; APPLICANT: SAITOH, Juichi
; APPLICANT: ISHIZUKA, Tetsuya
; TITLE OF INVENTION: METHOD OF ASSAY OF TARGET NUCLEIC ACID
; FILE REFERENCE: Q54969
; CURRENT APPLICATION NUMBER: US/09/345,761
; CURRENT FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: JP 10-186434
; PRIOR FILING DATE: 1998-07-01
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
```

; SEQ ID NO 6
; LENGTH: 315
; TYPE: DNA
; ORGANISM: Synthetic Construct
US-09-345-761-6

Query Match 100.0%; Score 20; DB 9; Length 315;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCGCGACCCCACTACTC 20
|||||
DB 278 TTCGCGACCCCACTACTC 259

RESULT 139

US-10-687-588-6/c
; Sequence 6, Application US/10697588
; Publication No. US20040115718A1
; GENERAL INFORMATION:
; APPLICANT: ISHIGURO, Takahiko
; APPLICANT: SAITOH, Juichi
; APPLICANT: ISHIZUKA, Tetsuya
; TITLE OF INVENTION: METHOD OF ASSAY OF TARGET NUCLEIC ACID
; FILE REFERENCE: Q54969
; CURRENT APPLICATION NUMBER: US/10/687,588
; CURRENT FILING DATE: 2003-10-20
; PRIOR APPLICATION NUMBER: US/09/345,761
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: JP 10-186434
; PRIOR FILING DATE: 1998-07-01
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6
; LENGTH: 315
; TYPE: DNA
; ORGANISM: Synthetic Construct
US-10-687-588-6

Query Match 100.0%; Score 20; DB 19; Length 315;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCGCGACCCCACTACTC 20
|||||
DB 278 TTCGCGACCCCACTACTC 259

RESULT 140

US-09-882-945A-240/c
; Sequence 240, Application US/09882945A
; Publication No. US20030143535A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor
; APPLICANT: Allawi, Hatim
; APPLICANT: Dong, Fang
; APPLICANT: Neri, Bruce
; APPLICANT: Vener, Tatiana
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites
; FILE REFERENCE: FORS-04586
; CURRENT APPLICATION NUMBER: US/09/882,945A
; CURRENT FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 240
; LENGTH: 328
; TYPE: RNA
; ORGANISM: Hepatitis C virus
US-09-882-945A-240

Query Match 100.0%; Score 20; DB 10; Length 328;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCGCGACCCCACTACTC 20
|||||
DB 257 TTCGCGACCCCACTACTC 238

RESULT 141

US-09-882-945A-242/c
; Sequence 242, Application US/09882945A
; Publication No. US20030143535A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor
; APPLICANT: Allawi, Hatim
; APPLICANT: Dong, Fang
; APPLICANT: Neri, Bruce
; APPLICANT: Vener, Tatiana
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites
; FILE REFERENCE: FORS-04586
; CURRENT APPLICATION NUMBER: US/09/882,945A
; CURRENT FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 242
; LENGTH: 328
; TYPE: RNA
; ORGANISM: Hepatitis C virus
US-09-882-945A-242

Query Match 100.0%; Score 20; DB 10; Length 328;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCGCGACCCCACTACTC 20
|||||
DB 257 TTCGCGACCCCACTACTC 238

RESULT 142

US-09-882-945A-245/c
; Sequence 245, Application US/09882945A
; Publication No. US20030143535A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor
; APPLICANT: Allawi, Hatim
; APPLICANT: Dong, Fang
; APPLICANT: Neri, Bruce
; APPLICANT: Vener, Tatiana
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites
; FILE REFERENCE: FORS-04586
; CURRENT APPLICATION NUMBER: US/09/882,945A
; CURRENT FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 245
; LENGTH: 328
; TYPE: RNA
; ORGANISM: Hepatitis C virus
US-09-882-945A-245

Query Match 100.0%; Score 20; DB 10; Length 328;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCGCGACCCCACTACTC 20
|||||
DB 257 TTCGCGACCCCACTACTC 238

RESULT 143

US-10-475-024-18/c
; Sequence 18, Application US/10475024
; Publication No. US20040219545A1
; GENERAL INFORMATION:

; APPLICANT: Rando, Robert F.
; APPLICANT: Welch, Ellen
; TITLE OF INVENTION: METHODS FOR IDENTIFYING SMALL MOLECULES THAT BIND SPECIFIC RNA
; FILE REFERENCE: 10589-007-999
; CURRENT APPLICATION NUMBER: US/10/475,024
; PRIOR FILING DATE: 2003-10-10
; PRIOR APPLICATION NUMBER: 60/282,965
; PRIOR FILING DATE: 2001-04-11
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 18
; LENGTH: 328
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-475-024-18

Query Match 100.0%; Score 20; DB 20; Length 328;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 263 TTTCGGACCCCAACTACTC 244

RESULT 144
US-10-807-114-240/c
; Sequence 240, Application US/10807114
; Publication No. US20040235024A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor
; APPLICANT: Allawi, Hatim
; APPLICANT: Dong, Fang
; APPLICANT: Neri, Bruce
; APPLICANT: Vener, Tatiana
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites
; FILE REFERENCE: FORS-04586
; CURRENT APPLICATION NUMBER: US/10/807,114
; CURRENT FILING DATE: 2004-03-23
; PRIOR APPLICATION NUMBER: US/09/882,945
; PRIOR FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 240
; LENGTH: 328
; TYPE: RNA
; ORGANISM: Hepatitis C virus
US-10-807-114-240

Query Match 100.0%; Score 20; DB 20; Length 328;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 257 TTTCGGACCCCAACTACTC 238

RESULT 145
US-10-807-114-242/c
; Sequence 242, Application US/10807114
; Publication No. US20040235024A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor
; APPLICANT: Allawi, Hatim
; APPLICANT: Dong, Fang
; APPLICANT: Neri, Bruce
; APPLICANT: Vener, Tatiana
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites
; FILE REFERENCE: FORS-04586
; CURRENT APPLICATION NUMBER: US/10/807,114
; CURRENT FILING DATE: 2004-03-23

; PRIOR APPLICATION NUMBER: US/09/882,945
; PRIOR FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 242
; LENGTH: 328
; TYPE: RNA
; ORGANISM: Hepatitis C virus
US-10-807-114-242

Query Match 100.0%; Score 20; DB 20; Length 328;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 257 TTTCGGACCCCAACTACTC 238

RESULT 146
US-10-807-114-245/c
; Sequence 245, Application US/10807114
; Publication No. US20040235024A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor
; APPLICANT: Allawi, Hatim
; APPLICANT: Dong, Fang
; APPLICANT: Neri, Bruce
; APPLICANT: Vener, Tatiana
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites
; FILE REFERENCE: FORS-04586
; CURRENT APPLICATION NUMBER: US/10/807,114
; CURRENT FILING DATE: 2004-03-23
; PRIOR APPLICATION NUMBER: US/09/882,945
; PRIOR FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 245
; LENGTH: 328
; TYPE: RNA
; ORGANISM: Hepatitis C virus
US-10-807-114-245

Query Match 100.0%; Score 20; DB 20; Length 328;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 257 TTTCGGACCCCAACTACTC 238

RESULT 147
US-10-475-026-18/c
; Sequence 18, Application US/10475026
; Publication No. US20050142545A1
; GENERAL INFORMATION:
; APPLICANT: Conn, Michael Morgan
; APPLICANT: Pelligrini, Mathew
; APPLICANT: Hwang, Seongwoo
; APPLICANT: Moon, Young-choon
; APPLICANT: Almstead, Neil
; TITLE OF INVENTION: METHODS FOR IDENTIFYING SMALL MOLECULES THAT BIND SPECIFIC RNA
; FILE REFERENCE: 10589-008
; CURRENT APPLICATION NUMBER: US/10/475,026
; CURRENT FILING DATE: 2003-10-10
; PRIOR APPLICATION NUMBER: 60/282,966
; PRIOR FILING DATE: 2001-04-11
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 18
; LENGTH: 328

```
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-475-026-18

Query Match      100.0%; Score 20; DB 22; Length 328;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGGACCCCAACTACTC 20
   |||||
Db 263 TTGCGGACCCCAACTACTC 244

RESULT 148
US-09-940-244-45/c
; Sequence 45, Application US/09940244
; Publication No. US20030044796A1
; GENERAL INFORMATION:
; APPLICANT: Neri, Bruce P.
; APPLICANT: Hall, Jeff G.
; APPLICANT: Lyamichev, Victor
; APPLICANT: Smith, Lloyd M.
; TITLE OF INVENTION: Reactions on Dendrimers
; FILE REFERENCE: FORS-06478
; CURRENT APPLICATION NUMBER: US/09/940,244
; CURRENT FILING DATE: 2002-05-06
; NUMBER OF SEQ ID NOS: 422
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 45
; LENGTH: 337
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-09-940-244-45

Query Match      100.0%; Score 20; DB 10; Length 337;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGGACCCCAACTACTC 20
   |||||
Db 274 TTGCGGACCCCAACTACTC 255

RESULT 149
US-09-982-667-56/c
; Sequence 56, Application US/09982667
; Publication No. US20030096245A1
; GENERAL INFORMATION:
; APPLICANT: Prudent, James R.
; APPLICANT: Hall, Jeff G.
; APPLICANT: Lyamichev, Victor I.
; TITLE OF INVENTION: Invasive Cleavage Of Nucleic Acids
; NUMBER OF SEQUENCES: 69
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Medlen & Carroll, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
; COUNTRY: United States Of America
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/982,667
; FILING DATE: 18-Oct-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/756,386
```

```
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US 08/682,853
; FILING DATE: 12-JUL-1996
; APPLICATION NUMBER: US 08/599,491
; FILING DATE: 24-JAN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02564
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 56:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 337 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: RNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 56:
US-09-982-667-56

Query Match      100.0%; Score 20; DB 10; Length 337;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGGACCCCAACTACTC 20
   |||||
Db 274 TTGCGGACCCCAACTACTC 255

RESULT 150
US-09-732-622A-45/c
; Sequence 45, Application US/09732622A
; Publication No. US20050164177A1
; GENERAL INFORMATION:
; APPLICANT: Neri, Bruce P.
; APPLICANT: Hall, Jeff G.
; APPLICANT: Lyamichev, Victor
; APPLICANT: Smith, Lloyd M.
; TITLE OF INVENTION: Reactions on a Solid Surface
; FILE REFERENCE: FORS-04904
; CURRENT APPLICATION NUMBER: US/09/732,622A
; CURRENT FILING DATE: 2000-12-08
; NUMBER OF SEQ ID NOS: 410
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 45
; LENGTH: 337
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-09-732-622A-45

Query Match      100.0%; Score 20; DB 12; Length 337;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGGACCCCAACTACTC 20
   |||||
Db 274 TTGCGGACCCCAACTACTC 255

RESULT 151
US-10-033-297-45/c
; Sequence 45, Application US/10033297
; Publication No. US20020187486A1
; GENERAL INFORMATION:
; APPLICANT: Hall, Jeff G.
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Mast, Andrea L.
; APPLICANT: Brown, Mary Ann D.
; TITLE OF INVENTION: Detection Of Nucleic Acids By Multiple
```

```

; Sequential Invasive Cleavages
;
; NUMBER OF SEQUENCES: 163
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Medlen & Carroll, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
; COUNTRY: United States Of America
; ZIP: 94104
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/033,297
; FILING DATE: 12-NOV-1996
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/350,597
; FILING DATE: 09-JUL-1999
; APPLICATION NUMBER: US/08/823,516
; FILING DATE: 24-MAR-1997
; APPLICATION NUMBER: PCT/US97/01072
; FILING DATE: 21-JAN-1997
; APPLICATION NUMBER: US 08/759,038
; FILING DATE: 02-DEC-1996
; APPLICATION NUMBER: US 08/758,314
; FILING DATE: 02-DEC-1996
; APPLICATION NUMBER: US 08/756,386
; FILING DATE: 29-NOV-1996
; APPLICATION NUMBER: US 08/682,853
; FILING DATE: 12-JUL-1996
; APPLICATION NUMBER: US 08/599,491
; FILING DATE: 24-JAN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02736
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 45:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 337 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: NO. US20020187486A1 Relevant
; TOPOLOGY: NO. US20020187486A1 Relevant
; MOLECULE TYPE: RNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 45:
US-10-033-297-45

Query Match 100.0%; Score 20; DB 13; Length 337;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
DB 274 TTTCGGACCCCACTACTC 255

RESULT 152
US-10-081-806-56/c
; Sequence 56, Application US/10081806
; Publication No. US20020197623A1
; GENERAL INFORMATION:
; APPLICANT: Prudent, James R.
; Hall, Jeff G.
; Lyamichiev, Victor I.
; TITLE OF INVENTION: Invasive Cleavage Of Nucleic Acids
; NUMBER OF SEQUENCES: 69
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Medlen & Carroll, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
; COUNTRY: United States Of America
; ZIP: 94104
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/033,297
; FILING DATE: 12-NOV-1996
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/350,597
; FILING DATE: 09-JUL-1999
; APPLICATION NUMBER: US/08/823,516
; FILING DATE: 24-MAR-1997
; APPLICATION NUMBER: PCT/US97/01072
; FILING DATE: 21-JAN-1997
; APPLICATION NUMBER: US 08/759,038
; FILING DATE: 02-DEC-1996
; APPLICATION NUMBER: US 08/758,314
; FILING DATE: 02-DEC-1996
; APPLICATION NUMBER: US 08/756,386
; FILING DATE: 29-NOV-1996
; APPLICATION NUMBER: US 08/682,853
; FILING DATE: 12-JUL-1996
; APPLICATION NUMBER: US 08/599,491
; FILING DATE: 24-JAN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02736
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 45:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 337 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: NO. US20020187486A1 Relevant
; TOPOLOGY: NO. US20020187486A1 Relevant
; MOLECULE TYPE: RNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 45:
US-10-033-297-45

Query Match 100.0%; Score 20; DB 13; Length 337;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
DB 274 TTTCGGACCCCACTACTC 255

RESULT 152
US-10-081-806-56/c
; Sequence 56, Application US/10081806
; Publication No. US20020197623A1
; GENERAL INFORMATION:
; APPLICANT: Prudent, James R.
; Hall, Jeff G.
; Lyamichiev, Victor I.
; TITLE OF INVENTION: Invasive Cleavage Of Nucleic Acids
; NUMBER OF SEQUENCES: 69
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Medlen & Carroll, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
; COUNTRY: United States Of America
; ZIP: 94104
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/081,806
; FILING DATE: 22-FEB-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/756,386
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US 08/682,853
; FILING DATE: 12-JUL-1996
; APPLICATION NUMBER: US 08/599,491
; FILING DATE: 24-JAN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02564
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 56:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 337 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: NO. US20020197623A1 Relevant
; TOPOLOGY: NO. US20020197623A1 Relevant
; MOLECULE TYPE: RNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 56:
US-10-081-806-56

Query Match 100.0%; Score 20; DB 13; Length 337;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
DB 274 TTTCGGACCCCACTACTC 255

RESULT 153
US-10-142-283-136/c
; Sequence 136, Application US/10142283
; Publication No. US20030152942A1
; GENERAL INFORMATION:
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: de Arruda Indig, Monika
; APPLICANT: Roeven, Robert
; TITLE OF INVENTION: Nucleic Acid Detection in Pooled Samples
; FILE REFERENCE: FORS-07219
; CURRENT APPLICATION NUMBER: US/10/142,283
; CURRENT FILING DATE: 2002-12-10
; PRIOR APPLICATION NUMBER: 60/326,549
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: 60/289,764
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 139
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 136
; LENGTH: 337
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
```

RESULT 152

US-10-081-806-56/c

; Sequence 56, Application US/10081806

; Publication No. US20020197623A1

; GENERAL INFORMATION:

; APPLICANT: Prudent, James R.

; Hall, Jeff G.

; Lyamichiev, Victor I.

; TITLE OF INVENTION: Invasive Cleavage Of Nucleic Acids

; NUMBER OF SEQUENCES: 69

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Medlen & Carroll, LLP

```
US-10-142-283-136
Query Match      100.0%; Score 20; DB 16; Length 337;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGGACCCCAACTACTC 20
    |||||
Db 274 TTGCGGACCCCAACTACTC 255

RESULT 154
US-10-290-386-45/c
; Sequence 45, Application US/10290386
; Publication No. US20030152971A1
; GENERAL INFORMATION:
; APPLICANT: Neri, Bruce P.
; APPLICANT: Hall, Jeff G.
; APPLICANT: Lyamichev, Victor
; APPLICANT: Lukowiak, Andrew A.
; TITLE OF INVENTION: Methods and Compositions for Detecting Target Sequences
; FILE REFERENCE: FORS-07459
; CURRENT APPLICATION NUMBER: US/10/290,386
; CURRENT FILING DATE: 2002-11-07
; PRIOR APPLICATION NUMBER: 60/361,060
; PRIOR FILING DATE: 2002-02-27
; PRIOR APPLICATION NUMBER: 60/344,946
; PRIOR FILING DATE: 2001-11-07
; PRIOR APPLICATION NUMBER: 09/713,601
; PRIOR FILING DATE: 2000-11-15
; PRIOR APPLICATION NUMBER: 09/381,212
; PRIOR FILING DATE: 2000-02-08
; PRIOR APPLICATION NUMBER: 09/350,309
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: 08/823,516
; PRIOR FILING DATE: 1997-03-24
; PRIOR APPLICATION NUMBER: 08/759,038
; PRIOR FILING DATE: 1996-12-02
; PRIOR APPLICATION NUMBER: 08/756,386
; PRIOR FILING DATE: 1996-11-26
; PRIOR APPLICATION NUMBER: 08/682,853
; PRIOR FILING DATE: 1996-07-12
; PRIOR APPLICATION NUMBER: 08/599,491
; PRIOR FILING DATE: 1996-01-24
; NUMBER OF SEQ ID NOS: 253
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 45
; LENGTH: 337
; TYPE: RNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-290-386-45

Query Match      100.0%; Score 20; DB 16; Length 337;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGGACCCCAACTACTC 20
    |||||
Db 274 TTGCGGACCCCAACTACTC 255

RESULT 155
US-10-356-861-45/c
; Sequence 45, Application US/10356861
; Publication No. US20040072182A1
; GENERAL INFORMATION:
; APPLICANT: Victor, Lyamichev
; APPLICANT: Neri, Bruce P.
; APPLICANT: Hall, Jeff
; APPLICANT: Lukowiak, Andrew A.
; TITLE OF INVENTION: Methods and Compositions for Detecting Target Sequences

; FILE REFERENCE: FORS-07813
; CURRENT APPLICATION NUMBER: US/10/356,861
; CURRENT FILING DATE: 2003-02-03
; NUMBER OF SEQ ID NOS: 254
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 45
; LENGTH: 337
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-356-861-45

Query Match      100.0%; Score 20; DB 18; Length 337;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGGACCCCAACTACTC 20
    |||||
Db 274 TTGCGGACCCCAACTACTC 255

RESULT 156
US-10-309-584-45/c
; Sequence 45, Application US/10309584
; Publication No. US2004021474A1
; GENERAL INFORMATION:
; APPLICANT: Neri, Bruce P.
; APPLICANT: Hall, Jeff G.
; APPLICANT: Lyamichev, Victor
; APPLICANT: Smith, Lloyd M.
; TITLE OF INVENTION: Reactions on Dendrimers
; FILE REFERENCE: FORS-06478
; CURRENT APPLICATION NUMBER: US/10/309,584
; CURRENT FILING DATE: 2002-12-04
; PRIOR APPLICATION NUMBER: US/09/940,244
; PRIOR FILING DATE: 2001-08-27
; NUMBER OF SEQ ID NOS: 422
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 45
; LENGTH: 337
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-309-584-45

Query Match      100.0%; Score 20; DB 20; Length 337;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGGACCCCAACTACTC 20
    |||||
Db 274 TTGCGGACCCCAACTACTC 255

RESULT 157
US-10-897-793-45/c
; Sequence 45, Application US/10897793
; Publication No. US20050003432A1
; GENERAL INFORMATION:
; APPLICANT: Hall, Jeff G.
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Mast, Andrea L.
; APPLICANT: Brow, Mary Ann D.
; TITLE OF INVENTION: Detection Of Nucleic Acids By Multiple
;                               Sequential Invasive Cleavages
; NUMBER OF SEQUENCES: 190
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Medlen & Carroll, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
```



```
/ COUNTRY: United States Of America
/ ZIP: 94104
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICANT: Allawi, Hatim T.
/ FILING DATE: 21-JAN-1997
/ CLASSIFICATION: <Unknown>
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: PCT/US97/01072
/ FILING DATE: 21-JAN-1997
/ APPLICATION NUMBER: US 08/759,038
/ FILING DATE: 02-DEC-1996
/ APPLICATION NUMBER: US 08/758,314
/ FILING DATE: 02-DEC-1996
/ APPLICATION NUMBER: US 08/756,386
/ FILING DATE: 29-NOV-1996
/ APPLICATION NUMBER: US 08/682,853
/ FILING DATE: 12-JUL-1996
/ APPLICATION NUMBER: US 08/599,491
/ FILING DATE: 24-JAN-1996
/ APPLICATION NUMBER: US 08/823,516
/ FILING DATE: 24-MAR-1997
/ ATTORNEY/AGENT INFORMATION:
/ NAME: MacKnight, Kamrin T.
/ REGISTRATION NUMBER: 38,230
/ REFERENCE/DOCKET NUMBER: FORS-03295
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 705-8410
/ TELEFAX: (415) 397-8338
/ INFORMATION FOR SEQ ID NO: 45:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 337 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: not relevant
/ TOPOLOGY: not relevant
/ MOLECULE TYPE: RNA (genomic)
/ SEQUENCE DESCRIPTION: SEQ ID NO: 45:
US-10-897-793-45

Query Match 100.0%; Score 20; DB 21; Length 337;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
Db 274 TTTCGGACCCCACTACTC 255

RESULT 158
US-10-783-557-45/c
; Sequence 45, Application US/10783557
; Publication No. US20050048527A1
; GENERAL INFORMATION:
; APPLICANT: Allawi, Hatim T.
; APPLICANT: Kaiser, Michael W.
; APPLICANT: Ma, Wu-Po
; APPLICANT: Neri, Bruce P.
; APPLICANT: Lyamichiev, Victor I.
; TITLE OF INVENTION: Endonuclease-Substrate Complexes
; FILE REFERENCE: FORS-08907
; CURRENT APPLICATION NUMBER: US/10783,557
; CURRENT FILING DATE: 2004-02-20
; NUMBER OF SEQ ID NOS: 533
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 45
; LENGTH: 337
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:

/ OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-783-557-45

Query Match 100.0%; Score 20; DB 21; Length 337;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
Db 274 TTTCGGACCCCACTACTC 255

RESULT 159
US-11-103-943-56/c
; Sequence 56, Application US/11103943
; Publication No. US20050181435A1
; GENERAL INFORMATION:
; APPLICANT: Prudent, James R.
; APPLICANT: Hall, Jeff G.
; APPLICANT: Lyamichiev, Victor I.
; TITLE OF INVENTION: Invasive Cleavage Of Nucleic Acids
; NUMBER OF SEQUENCES: 69
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Medien & Carroll, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
; COUNTRY: United States Of America
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/11/103,943
; FILING DATE: 12-Apr-2005
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/982,667
; FILING DATE: 18-Oct-2001
; APPLICATION NUMBER: 08/756,386
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US 08/682,853
; FILING DATE: 12-JUL-1996
; APPLICATION NUMBER: US 08/599,491
; FILING DATE: 24-JAN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02564
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 56:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 337 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: RNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 56:
US-11-103-943-56

Query Match 100.0%; Score 20; DB 24; Length 337;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
Db 274 TTTCGGACCCCACTACTC 255
```

```
RESULT 160
US-09-814-292-44/c
; Sequence 44, Application US/09814292
; Patent No. US20020120117A1
; GENERAL INFORMATION:
; APPLICANT: Yu, De-Chao
; APPLICANT: Zhang, Hong
; APPLICANT: Henderson, Daniel R.
; TITLE OF INVENTION: HUMAN UROTHELIAL CELL SPECIFIC UROPLAKIN
; TITLE OF INVENTION: TRANSCRIPTIONAL REGULATORY SEQUENCES, VECTORS COMPRISING
; TITLE OF INVENTION: UROPLAKIN-SPECIFIC TRANSCRIPTIONAL REGULATORY SEQUENCES, AND
; TITLE OF INVENTION: METHODS OF USE THEREOF
; FILE REFERENCE: 348022001500
; CURRENT APPLICATION NUMBER: US/09/814,292
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/191,861
; PRIOR FILING DATE: 2000-03-24
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 44
; LENGTH: 341
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: 5' UTR region of HCV
US-09-814-292-44

Query Match      100.0%; Score 20; DB 9; Length 341;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACACTACTC 20
Db 275 TTTCGGACCCCAACACTACTC 256

RESULT 161
US-09-814-357-3/c
; Sequence 3, Application US/09814357
; Publication No. US20030068307A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Yu
; APPLICANT: Henderson, Daniel R.
; TITLE OF INVENTION: METHODS OF TREATING NEOPLASIA
; TITLE OF INVENTION: WITH COMBINATION TARGET CELL-SPECIFIC ADENOVIRUS,
; TITLE OF INVENTION: CHEMOTHERAPY AND RADIATION
; FILE REFERENCE: 348022001600
; CURRENT APPLICATION NUMBER: US/09/814,357
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 60/192,015
; PRIOR FILING DATE: 2000-03-24
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 341
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: 5' UTR region of HCV
US-09-814-357-3

Query Match      100.0%; Score 20; DB 10; Length 341;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACACTACTC 20
Db 275 TTTCGGACCCCAACACTACTC 256

RESULT 162
US-09-814-351-3/c
; Sequence 3, Application US/09814351
; Publication No. US20030148520A1
; GENERAL INFORMATION:
; APPLICANT: Yu, De-Chao
; APPLICANT: Li, Yuanhao
; APPLICANT: Henderson, Daniel R.
; TITLE OF INVENTION: CELL-SPECIFIC ADENOVIRUS VECTORS
; TITLE OF INVENTION: COMPRISING AN INTERNAL RIBOSOME ENTRY SITE
; FILE REFERENCE: 348022001700
; CURRENT APPLICATION NUMBER: US/09/814,351
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/192,156
; PRIOR FILING DATE: 2000-03-24
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 341
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: 5' UTR region of HCV
US-09-814-351-3

Query Match      100.0%; Score 20; DB 10; Length 341;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACACTACTC 20
Db 275 TTTCGGACCCCAACACTACTC 256

RESULT 163
US-10-259-275-35/c
; Sequence 35, Application US/10259275
; Publication No. US20030125541A1
; GENERAL INFORMATION:
; APPLICANT: Lemon, Stanley M.
; APPLICANT: Yi, Minkyung
; TITLE OF INVENTION: REPLICATION COMPETENT HEPATITIS C VIRUS AND METHODS OF USE
; FILE REFERENCE: 265,0007 0120
; CURRENT APPLICATION NUMBER: US/10/259,275
; CURRENT FILING DATE: 2003-01-13
; PRIOR APPLICATION NUMBER: US 60/171,909
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: US 09/747,419
; PRIOR FILING DATE: 2000-12-23
; PRIOR APPLICATION NUMBER: US 60/325,236
; PRIOR FILING DATE: 2001-09-27
; PRIOR APPLICATION NUMBER: US 60/338,123
; PRIOR FILING DATE: 2001-11-13
; NUMBER OF SEQ ID NOS: 73
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 35
; LENGTH: 341
; TYPE: DNA
; ORGANISM: ARTIFICIAL
; FEATURE:
; OTHER INFORMATION: nucleotide sequence of 5' NTR
US-10-259-275-35

Query Match      100.0%; Score 20; DB 15; Length 341;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACACTACTC 20
Db 275 TTTCGGACCCCAACACTACTC 256

RESULT 164
US-10-691-045-3/c
; Sequence 3, Application US/10691045
```

Publication No. US20040146489A1
GENERAL INFORMATION:
APPLICANT: Yu, De-Chao
APPLICANT: Li, Yuanhao
APPLICANT: Henderson, Daniel R.
TITLE OF INVENTION: CELL-SPECIFIC ADENOVIRUS VECTORS
TITLE OF INVENTION: COMPRISING AN INTERNAL RIBOSOME ENTRY SITE
FILE REFERENCE: 348022001700
CURRENT APPLICATION NUMBER: US/10/691,045
CURRENT FILING DATE: 2003-10-21
PRIOR APPLICATION NUMBER: US/09/814,351
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/192,156
PRIOR FILING DATE: 2000-03-24
NUMBER OF SEQ ID NOS: 35
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 3
LENGTH: 341
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: 5' UTR region of HCV
US-10-691-045-3

Query Match 100.0%; Score 20; DB 22; Length 341;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||
DB 275 TTTCGGACCCCAACTACTC 256

RESULT 165

US-11-006-313-35/c
Sequence 35, Application US/11006313
Publication No. US20050153281A1
GENERAL INFORMATION:
APPLICANT: Lemon, Stanley M.
APPLICANT: Yi, Minkyung
TITLE OF INVENTION: REPLICATION COMPETENT HEPATITIS C VIRUS AND METHODS OF USE
FILE REFERENCE: 265.0007 0121
CURRENT APPLICATION NUMBER: US/11/006,313
CURRENT FILING DATE: 2004-12-06
PRIOR APPLICATION NUMBER: US 60/171,909
PRIOR FILING DATE: 1999-12-23
PRIOR APPLICATION NUMBER: US 10/259,275
PRIOR FILING DATE: 2002-09-27
PRIOR APPLICATION NUMBER: US 09/747,419
PRIOR FILING DATE: 2000-12-23
PRIOR APPLICATION NUMBER: US 60/325,236
PRIOR FILING DATE: 2001-09-27
PRIOR APPLICATION NUMBER: US 60/338,123
PRIOR FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 73
SOFTWARE: PatentIn version 3.2
SEQ ID NO 35
LENGTH: 341
TYPE: DNA
ORGANISM: ARTIFICIAL
FEATURE:
OTHER INFORMATION: nucleotide sequence of 5' NTR
US-11-006-313-35

Query Match 100.0%; Score 20; DB 24; Length 341;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||
DB 275 TTTCGGACCCCAACTACTC 256

RESULT 166
US-10-132-295-1/c
Sequence 1, Application US/10132295
Publication No. US20030124550A1
GENERAL INFORMATION:
APPLICANT: BML, Inc.
TITLE OF INVENTION: METHOD OF SCREENING DRUG FOR HEPATITIS C
FILE REFERENCE: Q69614
CURRENT APPLICATION NUMBER: US/10/132,295
CURRENT FILING DATE: 2002-04-26
PRIOR APPLICATION NUMBER: JP 2001-329728
PRIOR FILING DATE: 2001-10-26
NUMBER OF SEQ ID NOS: 5
SOFTWARE: PatentIn version 3.1
SEQ ID NO 1
LENGTH: 347
TYPE: DNA
ORGANISM: Hepatitis C virus
US-10-132-295-1

Query Match 100.0%; Score 20; DB 15; Length 347;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||
DB 275 TTTCGGACCCCAACTACTC 256

RESULT 167

US-09-877-526A-48/c
Sequence 48, Application US/09877526A
Patent No. US20020102568A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc
APPLICANT: Usman, Nassim
APPLICANT: McSwiggen, Jim
APPLICANT: Zinnen, Shawn
APPLICANT: Seiwert, Scott
APPLICANT: Haeblerli, Pete
APPLICANT: Chowrira, Bharat
APPLICANT: Blatt, Larry
APPLICANT: Vaish, Narendra
TITLE OF INVENTION: A Process for the Detection of Nucleic Acid Using Nucleic Acid C
FILE REFERENCE: MBHB00-816-C (700/002)
CURRENT APPLICATION NUMBER: US/09/877,526A
CURRENT FILING DATE: 2001-03-06
PRIOR APPLICATION NUMBER: 60/187,128
PRIOR FILING DATE: 2000-03-06
NUMBER OF SEQ ID NOS: 49
SOFTWARE: PatentIn version 3.0
SEQ ID NO 48
LENGTH: 366
TYPE: RNA
ORGANISM: Hepatitis C virus
US-09-877-526A-48

Query Match 100.0%; Score 20; DB 9; Length 366;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
|||||
DB 275 TTTCGGACCCCAACTACTC 256

RESULT 168

US-09-992-160-48/c
Sequence 48, Application US/09992160
Publication No. US20030008295A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc
APPLICANT: Usman, Nassim

```
; APPLICANT: McSwiggen, Jim
; APPLICANT: Zinnen, Shawn
; APPLICANT: Seiwert, Scott
; APPLICANT: Haeblerli, Pete
; APPLICANT: Chowrira, Bharat
; APPLICANT: Blatt, Larry
; TITLE OF INVENTION: Nucleic Acid Sensor Molecules
; FILE REFERENCE: MBH00-816-D (700/004)
; CURRENT APPLICATION NUMBER: US/09/992,160
; CURRENT FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 48
; LENGTH: 366
; TYPE: RNA
; ORGANISM: Hepatitis C virus
US-09-992-160-48

Query Match      100.0%; Score 20; DB 10; Length 366;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
   |||||
Db 275 TTTCGGACCCCACTACTC 256

RESULT 169
US-09-740-332-9701/c
; Sequence 9701, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyne Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection
; FILE REFERENCE: RPI 400/003
; CURRENT APPLICATION NUMBER: US/09/740,332
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9704
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 9701
; LENGTH: 366
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; LOCATION:
; OTHER INFORMATION: HCV 5' UTR
US-09-740-332-9701

Query Match      100.0%; Score 20; DB 10; Length 366;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
   |||||
Db 276 TTTCGGACCCCACTACTC 257

RESULT 170
US-09-817-879-9701/c
; Sequence 9701, Application US/09817879
; Publication No. US2003017311A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyne Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection
; FILE REFERENCE: MBH00-801-F
; CURRENT APPLICATION NUMBER: US/09/817,879
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 9701
```

```
; LENGTH: 366
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: HCV 5' UTR
US-09-817-879-9701

Query Match      100.0%; Score 20; DB 10; Length 366;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
   |||||
Db 276 TTTCGGACCCCACTACTC 257

RESULT 171
US-10-056-761-48/c
; Sequence 48, Application US/10056761
; Publication No. US20030065155A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyne Pharmaceuticals, Inc
; APPLICANT: Usman, Nassim
; APPLICANT: McSwiggen, Jim
; APPLICANT: Zinnen, Shawn
; APPLICANT: Seiwert, Scott
; APPLICANT: Haeblerli, Pete
; APPLICANT: Chowrira, Bharat
; APPLICANT: Blatt, Larry
; TITLE OF INVENTION: Nucleic Acid Sensor Molecules
; FILE REFERENCE: MBH00-816-E (700/005)
; CURRENT APPLICATION NUMBER: US/10/056,761
; CURRENT FILING DATE: 2002-01-23
; NUMBER OF SEQ ID NOS: 63
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 48
; LENGTH: 366
; TYPE: RNA
; ORGANISM: Hepatitis C Virus
US-10-056-761-48

Query Match      100.0%; Score 20; DB 14; Length 366;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
   |||||
Db 275 TTTCGGACCCCACTACTC 256

RESULT 172
US-10-422-050-48/c
; Sequence 48, Application US/10422050
; Publication No. US20040009510A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Seiwert, Scott
; APPLICANT: Zinnen, Shawn
; APPLICANT: Vaish, Narendra
; APPLICANT: Jadhav, Vasant
; APPLICANT: Kossen, Karl
; TITLE OF INVENTION: Allosteric Nucleic Acid Sensor Molecules
; FILE REFERENCE: 700/013 (MBHB 00-816-M)
; CURRENT APPLICATION NUMBER: US/10/422,050
; CURRENT FILING DATE: 2003-04-23
; PRIOR APPLICATION NUMBER: PCT/US 02/35529
; PRIOR FILING DATE: 2002-11-05
; PRIOR APPLICATION NUMBER: US 10/286,492
; PRIOR FILING DATE: 2002-11-01
; PRIOR APPLICATION NUMBER: US 10/283,858
; PRIOR FILING DATE: 2002-10-30
```

; PRIOR FILING DATE: 2000-02-15
 ; Remaining Prior Application data removed - See File Wrapper or PALM.

Best Local Similarity 100.0%; Pred. No. 0.016; Mismatches 0; Indels 0; Gaps 0;
Matches 20; Conservative 0;

Qy 1 TTTCGGACCCCAACTACTC 20
|||||
Db 275 TTTCGGACCCCAACTACTC 256

RESULT 176

US-10-332-626-1/c
; Sequence 1, Application US/10332626
; Publication No. US20040073380A1
; GENERAL INFORMATION:
; APPLICANT: Joseph D. Puglisi
; TITLE OF INVENTION: Structural Targets of Hepatitis C Virus
; FILE REFERENCE: STAN-196
; CURRENT APPLICATION NUMBER: US/10/332,626
; CURRENT FILING DATE: 2003-09-08
; PRIOR APPLICATION NUMBER: PCT/US01/21871
; PRIOR FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,673
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 384
; TYPE: RNA
; ORGANISM: Hepatitis C virus
US-10-332-626-1

Query Match 100.0%; Score 20; DB 18; Length 384;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20
|||||
Db 276 TTTCGGACCCCAACTACTC 257

RESULT 177

US-09-940-925A-122/c
; Sequence 122, Application US/09940925A
; Publication No. US20030054338A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; OLIVE, DAVID M.
; LYAMICHEV, VICTOR I.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/940,925A
; FILING DATE: 10-Jun-2002
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410

TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 122:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 386 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 122:
US-09-940-925A-122

Query Match 100.0%; Score 20; DB 10; Length 386;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20
|||||
Db 323 TTTCGGACCCCAACTACTC 304

RESULT 178

US-09-941-193A-122/c
; Sequence 122, Application US/09941193A
; Publication No. US20030108873A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; LYAMICHEV, VICTOR I.
; OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/941,193A
; FILING DATE: 28-Aug-2001
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 122:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 386 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 122:
US-09-941-193A-122

Query Match 100.0%; Score 20; DB 10; Length 386;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20
|||||
Db 323 TTTCGGACCCCAACTACTC 304

RESULT 179

US-10-409-594-122/c
; Sequence 122, Application US/10409594
; Publication No. US20050158716A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; LYAMICHEV, VICTOR I.
; OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS

NUMBER OF SEQUENCES: 165
CORRESPONDENCE ADDRESS:
ADDRESSEE: MEDLEN & CARROLL
STREET: 220 MONTGOMERY STREET, SUITE 2200
CITY: SAN FRANCISCO
STATE: CALIFORNIA
COUNTRY: UNITED STATES OF AMERICA
ZIP: 94104

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/409,594
FILING DATE: 08-Apr-2003

CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: CARROLL, PETER G.

REGISTRATION NUMBER: 32,837
REFERENCE/DOCKET NUMBER: FORS-01756
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 705-8410
TELEFAX: (415) 397-8338

INFORMATION FOR SEQ ID NO: 122:
SEQUENCE CHARACTERISTICS:
LENGTH: 386 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 122:

US-10-409-594-122

Query Match 100.0%; Score 20; DB 22; Length 386;
Best Local Similarity 100.0%; Pred. No. 0.016; Mismatches 0; Indels 0; Gaps 0;
Matches 20; Conservative 0;

Qy 1 TTTCGGACCCCAACTACTC 20
|||
Db 323 TTTCGGACCCCAACTACTC 304

RESULT 180

US-10-276-513-5/c
; Sequence 5, Application US/10276513
; Publication No. US20030143528A1
; GENERAL INFORMATION:
; APPLICANT: KOHARA, MICHINORI
; APPLICANT: MATSUZAKI, JUNICHI
; APPLICANT: OKAMOTO, KOUICHI
; APPLICANT: KATSUME, ASAO

FILE OF INVENTION: VECTOR FOR ANALYSING REPLICATION MECHANISM OF RNA VIRUS AND USE
; FILE REFERENCE: 382.1038
; CURRENT FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: US/10/276,513
; PRIOR FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: PCT/JP01/04033
; PRIOR FILING DATE: 2001-05-15
; PRIOR APPLICATION NUMBER: JP 2000-142451
; PRIOR FILING DATE: 2000-05-15
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5

; LENGTH: 393
; TYPE: DNA
; ORGANISM: Hepatitis C Virus
US-10-276-513-5

Query Match 100.0%; Score 20; DB 15; Length 393;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20
|||
Db 287 TTTCGGACCCCAACTACTC 268

RESULT 181

US-10-276-513-4/c
; Sequence 4, Application US/10276513
; Publication No. US20030143528A1
; GENERAL INFORMATION:

APPLICANT: KOHARA, MICHINORI
APPLICANT: MATSUZAKI, JUNICHI
APPLICANT: OKAMOTO, KOUICHI
APPLICANT: KATSUME, ASAO

FILE OF INVENTION: VECTOR FOR ANALYSING REPLICATION MECHANISM OF RNA VIRUS AND USE
; FILE REFERENCE: 382.1038
; CURRENT APPLICATION NUMBER: US/10/276,513
; CURRENT FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: PCT/JP01/04033
; PRIOR FILING DATE: 2001-05-15
; PRIOR APPLICATION NUMBER: JP 2000-142451
; PRIOR FILING DATE: 2000-05-15
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4

; LENGTH: 412
; TYPE: DNA

; ORGANISM: Hepatitis C Virus
US-10-276-513-4

Query Match 100.0%; Score 20; DB 15; Length 412;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20
|||
Db 306 TTTCGGACCCCAACTACTC 287

RESULT 182

US-09-851-138-59/c
; Sequence 59, Application US/09851138
; Publication No. US20020183508A1
; GENERAL INFORMATION:

APPLICANT: MAERTENS, GEERT
STUYVER, LIEVEN

TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
AGENTS

NUMBER OF SEQUENCES: 207
CORRESPONDENCE ADDRESS:

ADDRESSEE: ARNOLD, WHITE & DURKEE
STREET: P.O. BOX 4433
CITY: HOUSTON

STATE: TEXAS
COUNTRY: USA
ZIP: 77210-4433

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/851,138

```

; FILING DATE: 09-May-2001
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/836,075
; FILING DATE: <Unknown>
; APPLICATION NUMBER: EP 94870166.9
; FILING DATE: 21 Oct 1994
; APPLICATION NUMBER: EP 95870076.7
; FILING DATE: 28 Jun 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: KAMMERER, PATRICIA A.
; REGISTRATION NUMBER: 29,775
; REFERENCE/DOCKET NUMBER: INNS:004
; INFORMATION FOR SEQ ID NO: 59:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 652 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; SEQUENCE DESCRIPTION: SEQ ID NO: 59:
US-09-851-138-59

Query Match 100.0%; Score 20; DB 9; Length 652;
Best Local Similarity 100.0%; Pred. No. 0.015;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
DB 172 TTTCGGACCCCACTACTC 153

RESULT 183
US-09-853-409-37/c
; Sequence 37, Application US/09853409
; Publication No. US2003017131A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, Kevin P.
; APPLICANT: Hanecak, Ronnie C.
; APPLICANT: No. US2003017131A1, Chikateru
; APPLICANT: Dorr, F. Andrew
; APPLICANT: Kwoh, T. Jesse
; TITLE OF INVENTION: Compositions and Methods for Treatment of Hepatitis C
; FILE REFERENCE: ISPH-0569
; CURRENT APPLICATION NUMBER: US/09/853,409
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: 08/988,321
; PRIOR FILING DATE: 1997-12-10
; PRIOR APPLICATION NUMBER: 08/650,093
; PRIOR FILING DATE: 1995-03-09
; PRIOR APPLICATION NUMBER: 07/945,289
; PRIOR FILING DATE: 1992-09-10
; PRIOR APPLICATION NUMBER: 09/690,936
; PRIOR FILING DATE: 2000-10-18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 37
; LENGTH: 685
; TYPE: RNA
; ORGANISM: Hepatitis C virus
US-09-853-409-37

Query Match 100.0%; Score 20; DB 10; Length 685;
Best Local Similarity 100.0%; Pred. No. 0.015;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
US-09-853-409-37

; FILING DATE: 09-May-2001
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/836,075
; FILING DATE: <Unknown>
; APPLICATION NUMBER: EP 94870166.9
; FILING DATE: 21 Oct 1994
; APPLICATION NUMBER: EP 95870076.7
; FILING DATE: 28 Jun 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: KAMMERER, PATRICIA A.
; REGISTRATION NUMBER: 29,775
; REFERENCE/DOCKET NUMBER: INNS:004
; INFORMATION FOR SEQ ID NO: 59:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 652 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; SEQUENCE DESCRIPTION: SEQ ID NO: 59:
US-09-851-138-59

Query Match 100.0%; Score 20; DB 9; Length 652;
Best Local Similarity 100.0%; Pred. No. 0.015;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
DB 172 TTTCGGACCCCACTACTC 153

RESULT 183
US-09-853-409-37/c
; Sequence 37, Application US/09853409
; Publication No. US2003017131A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, Kevin P.
; APPLICANT: Hanecak, Ronnie C.
; APPLICANT: No. US2003017131A1, Chikateru
; APPLICANT: Dorr, F. Andrew
; APPLICANT: Kwoh, T. Jesse
; TITLE OF INVENTION: Compositions and Methods for Treatment of Hepatitis C
; FILE REFERENCE: ISPH-0569
; CURRENT APPLICATION NUMBER: US/09/853,409
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: 08/988,321
; PRIOR FILING DATE: 1997-12-10
; PRIOR APPLICATION NUMBER: 08/650,093
; PRIOR FILING DATE: 1996-05-17
; PRIOR APPLICATION NUMBER: 08/452,841
; PRIOR FILING DATE: 1995-03-09
; PRIOR APPLICATION NUMBER: 08/397,330
; PRIOR FILING DATE: 1992-09-10
; PRIOR APPLICATION NUMBER: 07/945,289
; PRIOR FILING DATE: 1992-09-10
; PRIOR APPLICATION NUMBER: 09/690,936
; PRIOR FILING DATE: 2000-10-18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 37
; LENGTH: 685
; TYPE: RNA
; ORGANISM: Hepatitis C virus
US-09-853-409-37

Query Match 100.0%; Score 20; DB 10; Length 685;
Best Local Similarity 100.0%; Pred. No. 0.015;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
US-09-853-409-37
```

```

DB 274 TTTCGGACCCCACTACTC 255

RESULT 184
US-10-457-304-37/c
; Sequence 37, Application US/10457304
; Publication No. US2004003978A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, Kevin P.
; APPLICANT: Hanecak, Ronnie C.
; APPLICANT: No. US2004003978A1, Chikateru
; APPLICANT: Dorr, F. Andrew
; APPLICANT: Kwoh, T. Jesse
; TITLE OF INVENTION: Compositions and Methods for Treatment of Hepatitis C
; FILE REFERENCE: ISPH-0569
; CURRENT APPLICATION NUMBER: US/10/457,304
; CURRENT FILING DATE: 2003-06-09
; PRIOR APPLICATION NUMBER: US/09/853,409
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: 08/988,321
; PRIOR FILING DATE: 1997-12-10
; PRIOR APPLICATION NUMBER: 08/650,093
; PRIOR FILING DATE: 1996-05-17
; PRIOR APPLICATION NUMBER: 08/452,841
; PRIOR FILING DATE: 1995-03-09
; PRIOR APPLICATION NUMBER: 08/397,330
; PRIOR FILING DATE: 1995-03-09
; PRIOR APPLICATION NUMBER: 07/945,289
; PRIOR FILING DATE: 1992-09-10
; PRIOR APPLICATION NUMBER: 09/690,936
; PRIOR FILING DATE: 2000-10-18
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 37
; LENGTH: 685
; TYPE: RNA
; ORGANISM: Hepatitis C virus
US-10-457-304-37

Query Match 100.0%; Score 20; DB 18; Length 685;
Best Local Similarity 100.0%; Pred. No. 0.015;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
DB 274 TTTCGGACCCCACTACTC 255

RESULT 185
US-10-454-293-37/c
; Sequence 37, Application US/10454293
; Publication No. US2004004902A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, Kevin P.
; APPLICANT: Hanecak, Ronnie C.
; APPLICANT: No. US2004004902A1, Chikateru
; APPLICANT: Dorr, F. Andrew
; APPLICANT: Kwoh, T. Jesse
; TITLE OF INVENTION: Compositions and Methods for Treatment of Hepatitis C
; FILE REFERENCE: ISPH-0743
; CURRENT APPLICATION NUMBER: US/10/454,293
; CURRENT FILING DATE: 2003-06-04
; PRIOR APPLICATION NUMBER: 09/853,409
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: 08/988,321
; PRIOR FILING DATE: 1997-12-10
; PRIOR APPLICATION NUMBER: 08/650,093
; PRIOR FILING DATE: 1996-05-17
; PRIOR APPLICATION NUMBER: 08/452,841
; PRIOR FILING DATE: 1995-05-30
```


; PRIOR APPLICATION NUMBER: 08/397,330
; PRIOR FILING DATE: 1995-03-09
; PRIOR APPLICATION NUMBER: 07/945,289
; PRIOR FILING DATE: 1992-09-10
; PRIOR APPLICATION NUMBER: 09/690,936
; PRIOR FILING DATE: 2000-10-18
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 37
; LENGTH: 685
; TYPE: RNA
; ORGANISM: Hepatitis C virus
US-10-454-293-37

Query Match 100.0%; Score 20; DB 18; Length 685;
Best Local Similarity 100.0%; Pred. No. 0.015; Indels 0; Gaps 0;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACACTACTC 20
|||||
Db 274 TTTCGGACCCCAACACTACTC 255

RESULT 186

US-10-066-130-20
; Sequence 20, Application US/10066130
; Publication No. US20030175683A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: In Vitro System for Replication of RNA-Dependent RNA Polymerase
; FILE REFERENCE: PH-7171 NP
; CURRENT APPLICATION NUMBER: US/10/066,130
; CURRENT FILING DATE: 2002-01-31
; PRIOR APPLICATION NUMBER: US 60/265,437
; PRIOR FILING DATE: 2001-01-31
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 20
; LENGTH: 2327
; TYPE: DNA
; ORGANISM: viral
US-10-066-130-20

Query Match 100.0%; Score 20; DB 16; Length 2327;
Best Local Similarity 100.0%; Pred. No. 0.014; Indels 0; Gaps 0;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACACTACTC 20
|||||
Db 2053 TTTCGGACCCCAACACTACTC 2072

RESULT 187

US-10-734-801-20
; Sequence 20, Application US/10734801
; Publication No. US20040126388A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: In Vitro System for Replication of RNA-Dependent RNA Polymerase
; FILE REFERENCE: PH-7171-DIV
; CURRENT APPLICATION NUMBER: US/10/734,801
; CURRENT FILING DATE: 2003-12-12
; PRIOR APPLICATION NUMBER: US 60/265,437
; PRIOR FILING DATE: 2001-01-31
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 20
; LENGTH: 2327
; TYPE: DNA
; ORGANISM: viral
US-10-734-801-20

Query Match 100.0%; Score 20; DB 19; Length 2327;
Best Local Similarity 100.0%; Pred. No. 0.014; Indels 0; Gaps 0;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACACTACTC 20
|||||
Db 2053 TTTCGGACCCCAACACTACTC 2072

RESULT 188

US-10-066-130-19
; Sequence 19, Application US/10066130
; Publication No. US20030175683A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: In Vitro System for Replication of RNA-Dependent RNA Polymerase
; FILE REFERENCE: PH-7171 NP
; CURRENT APPLICATION NUMBER: US/10/066,130
; CURRENT FILING DATE: 2002-01-31
; PRIOR APPLICATION NUMBER: US 60/265,437
; PRIOR FILING DATE: 2001-01-31
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 19
; LENGTH: 2674
; TYPE: DNA
; ORGANISM: viral
US-10-066-130-19

Query Match 100.0%; Score 20; DB 16; Length 2674;
Best Local Similarity 100.0%; Pred. No. 0.014; Indels 0; Gaps 0;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACACTACTC 20
|||||
Db 2400 TTTCGGACCCCAACACTACTC 2419

RESULT 189

US-10-734-801-19
; Sequence 19, Application US/10734801
; Publication No. US20040126388A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: In Vitro System for Replication of RNA-Dependent RNA Polymerase
; FILE REFERENCE: PH-7171-DIV
; CURRENT APPLICATION NUMBER: US/10/734,801
; CURRENT FILING DATE: 2003-12-12
; PRIOR APPLICATION NUMBER: US 60/265,437
; PRIOR FILING DATE: 2001-01-31
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 19
; LENGTH: 2674
; TYPE: DNA
; ORGANISM: viral
US-10-734-801-19

Query Match 100.0%; Score 20; DB 19; Length 2674;
Best Local Similarity 100.0%; Pred. No. 0.014; Indels 0; Gaps 0;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACACTACTC 20
|||||
Db 2400 TTTCGGACCCCAACACTACTC 2419

RESULT 190

US-10-066-130-18
; Sequence 18, Application US/10066130

```
; Publication No. US20030175683A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: In Vitro System for Replication of RNA-Dependent RNA Polymerase
; FILE OF INVENTION: Viruses
; FILE REFERENCE: PH-7171 NP
; CURRENT APPLICATION NUMBER: US/10/066,130
; CURRENT FILING DATE: 2002-01-31
; PRIOR APPLICATION NUMBER: US 60/265,437
; PRIOR FILING DATE: 2001-01-31
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
; LENGTH: 2771
; TYPE: DNA
; ORGANISM: viral
US-10-066-130-18

Query Match      100.0%; Score 20; DB 16; Length 2771;
Best Local Similarity 100.0%; Pred. No. 0.014;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTTCGGACCCCAACTACTC 20
      |||||
DB      2400 TTTCGGACCCCAACTACTC 2419

RESULT 191
US-10-734-801-18
; Sequence 18, Application US/10734801
; Publication No. US20040126388A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: In Vitro System for Replication of RNA-Dependent RNA Polymerase
; FILE OF INVENTION: Viruses
; FILE REFERENCE: PH-7171-DIV
; CURRENT APPLICATION NUMBER: US/10/734,801
; CURRENT FILING DATE: 2003-12-12
; PRIOR APPLICATION NUMBER: US 60/265,437
; PRIOR FILING DATE: 2001-01-31
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
; LENGTH: 2771
; TYPE: DNA
; ORGANISM: viral
US-10-734-801-18

Query Match      100.0%; Score 20; DB 19; Length 2771;
Best Local Similarity 100.0%; Pred. No. 0.014;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTTCGGACCCCAACTACTC 20
      |||||
DB      2400 TTTCGGACCCCAACTACTC 2419

RESULT 192
US-10-066-130-17
; Sequence 17, Application US/10066130
; Publication No. US20030175683A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: In Vitro System for Replication of RNA-Dependent RNA Polymerase
; FILE OF INVENTION: Viruses
; FILE REFERENCE: PH-7171 NP
; CURRENT APPLICATION NUMBER: US/10/066,130
; CURRENT FILING DATE: 2002-01-31
; PRIOR APPLICATION NUMBER: US 60/265,437
; PRIOR FILING DATE: 2001-01-31
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 17
```

```
; LENGTH: 5860
; TYPE: DNA
; ORGANISM: viral
US-10-066-130-17

Query Match      100.0%; Score 20; DB 16; Length 5860;
Best Local Similarity 100.0%; Pred. No. 0.013;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTTCGGACCCCAACTACTC 20
      |||||
DB      2400 TTTCGGACCCCAACTACTC 2419

RESULT 193
US-10-734-801-17
; Sequence 17, Application US/10734801
; Publication No. US20040126388A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: In Vitro System for Replication of RNA-Dependent RNA Polymerase
; FILE OF INVENTION: Viruses
; FILE REFERENCE: PH-7171-DIV
; CURRENT APPLICATION NUMBER: US/10/734,801
; CURRENT FILING DATE: 2003-12-12
; PRIOR APPLICATION NUMBER: US 60/265,437
; PRIOR FILING DATE: 2001-01-31
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 17
; LENGTH: 5860
; TYPE: DNA
; ORGANISM: viral
US-10-734-801-17

Query Match      100.0%; Score 20; DB 19; Length 5860;
Best Local Similarity 100.0%; Pred. No. 0.013;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTTCGGACCCCAACTACTC 20
      |||||
DB      2400 TTTCGGACCCCAACTACTC 2419

RESULT 194
US-10-434-842-16/c
; Sequence 16, Application US/10434842
; Publication No. US20040005549A1
; GENERAL INFORMATION:
; APPLICANT: Bichko, Vadim
; TITLE OF INVENTION: HEPATITIS C VIRUS CONSTRUCTS CHARACTERIZED BY HIGH EFFICIENCY REP
; FILE REFERENCE: 0342/IH395US3
; CURRENT APPLICATION NUMBER: US/10/434,842
; CURRENT FILING DATE: 2003-05-09
; PRIOR APPLICATION NUMBER: US 10/233,307
; PRIOR FILING DATE: 2002-08-28
; PRIOR APPLICATION NUMBER: US 10/005,469
; PRIOR FILING DATE: 2001-11-07
; PRIOR APPLICATION NUMBER: US 60/245,866
; PRIOR FILING DATE: 2000-11-07
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 16
; LENGTH: 7989
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: FCA4 Replicon Sequence
US-10-434-842-16

Query Match      100.0%; Score 20; DB 17; Length 7989;
Best Local Similarity 100.0%; Pred. No. 0.013;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

QY 1 TTGCGACCCCAACACTACTC 20
|||||
Db 275 TTGCGACCCCAACACTACTC 256

RESULT 195

US-10-639-150-1/c
; Sequence 1, Application US/10639150
; Publication No. US20040121975A1
; GENERAL INFORMATION:
; APPLICANT: BRISTOL-MYERS SQUIBB COMPANY
; TITLE OF INVENTION: HEPATITIS C VIRUS ASSAYS
; FILE REFERENCE: D0224 NP
; CURRENT APPLICATION NUMBER: US/10/639,150
; CURRENT FILING DATE: 2003-08-12
; PRIOR APPLICATION NUMBER: US 60/402,661
; PRIOR FILING DATE: 2002-08-12
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1
; LENGTH: 7989
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: HCV Replicon
US-10-639-150-1

Query Match 100.0%; Score 20; DB 19; Length 7989;
Best Local Similarity 100.0%; Pred. No. 0.013;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGACCCCAACACTACTC 20
|||||
Db 275 TTGCGACCCCAACACTACTC 256

RESULT 196

US-10-897-648-17/c
; Sequence 17, Application US/10897648
; Publication No. US20050043266A1
; GENERAL INFORMATION:
; APPLICANT: Jayasena, Sumedha
; APPLICANT: Richardson, Christopher Donald
; TITLE OF INVENTION: SHORT INTERFERING RNA AS AN ANTIVIRAL AGENT FOR HEPATITIS C
; FILE REFERENCE: A-835
; CURRENT APPLICATION NUMBER: US/10/897,648
; CURRENT FILING DATE: 2004-07-22
; PRIOR APPLICATION NUMBER: 60/490,204
; PRIOR FILING DATE: 2003-07-25
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 17
; LENGTH: 7989
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-897-648-17

Query Match 100.0%; Score 20; DB 21; Length 7989;
Best Local Similarity 100.0%; Pred. No. 0.013;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGACCCCAACACTACTC 20
|||||
Db 275 TTGCGACCCCAACACTACTC 256

RESULT 197

US-10-005-469-1/c
; Sequence 1, Application US/10005469
; Publication No. US20020155133A1
; GENERAL INFORMATION:
; APPLICANT: ANADYS Pharmaceuticals, Inc.

; APPLICANT: Bichko, Vadim
; TITLE OF INVENTION: HEPATITIS C VIRUS CONSTRUCTS CHARACTERIZED BY HIGH EFFICIENCY RE
; FILE REFERENCE: 0342/1H395U51
; CURRENT APPLICATION NUMBER: US/10/005,469
; CURRENT FILING DATE: 2002-04-18
; PRIOR APPLICATION NUMBER: US 60/245,866
; PRIOR FILING DATE: 2000-11-07
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 7992
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: HCV replicon I377/NS3-3'UTR
US-10-005-469-1

Query Match 100.0%; Score 20; DB 13; Length 7992;
Best Local Similarity 100.0%; Pred. No. 0.013;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGACCCCAACACTACTC 20
|||||
Db 275 TTGCGACCCCAACACTACTC 256

RESULT 198

US-10-005-469-2/c
; Sequence 2, Application US/10005469
; Publication No. US20020155133A1
; GENERAL INFORMATION:
; APPLICANT: ANADYS Pharmaceuticals, Inc.
; APPLICANT: Bichko, Vadim
; TITLE OF INVENTION: HEPATITIS C VIRUS CONSTRUCTS CHARACTERIZED BY HIGH EFFICIENCY RE
; FILE REFERENCE: 0342/1H395U51
; CURRENT APPLICATION NUMBER: US/10/005,469
; CURRENT FILING DATE: 2002-04-18
; PRIOR APPLICATION NUMBER: US 60/245,866
; PRIOR FILING DATE: 2000-11-07
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 7992
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: HCV Replicon RNA from cell line HCVr2
US-10-005-469-2

Query Match 100.0%; Score 20; DB 13; Length 7992;
Best Local Similarity 100.0%; Pred. No. 0.013;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGACCCCAACACTACTC 20
|||||
Db 275 TTGCGACCCCAACACTACTC 256

RESULT 199

US-10-005-469-4/c
; Sequence 4, Application US/10005469
; Publication No. US20020155133A1
; GENERAL INFORMATION:
; APPLICANT: ANADYS Pharmaceuticals, Inc.
; APPLICANT: Bichko, Vadim
; TITLE OF INVENTION: HEPATITIS C VIRUS CONSTRUCTS CHARACTERIZED BY HIGH EFFICIENCY RE
; FILE REFERENCE: 0342/1H395U51
; CURRENT APPLICATION NUMBER: US/10/005,469
; CURRENT FILING DATE: 2002-04-18
; PRIOR APPLICATION NUMBER: US 60/245,866
; PRIOR FILING DATE: 2000-11-07
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1

```
; SEQ ID NO 4
; LENGTH: 7992
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: HCV Replicon RNA from cell line HCVR9
US-10-005-469-4

Query Match      100.0%; Score 20; DB 13; Length 7992;
Best Local Similarity 100.0%; Pred. No. 0.013;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTTCGGACCCCAACTACTC 20
      |||
Db      275 TTTCGGACCCCAACTACTC 256

RESULT 200
US-10-005-469-5/c
; Sequence 5, Application US/10005469
; Publication NO. US20020155133A1
; GENERAL INFORMATION:
; APPLICANT: ANADYS Pharmaceuticals, Inc.
; APPLICANT: Bichko, Vadim
; TITLE OF INVENTION: HEPATITIS C VIRUS CONSTRUCTS CHARACTERIZED BY HIGH EFFICIENCY RE
; FILE REFERENCE: 0342/IH395USI
; CURRENT APPLICATION NUMBER: US/10/005,469
; CURRENT FILING DATE: 2002-04-18
; PRIOR APPLICATION NUMBER: US 60/245,866
; PRIOR FILING DATE: 2000-11-07
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
; LENGTH: 7992
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: HCV Replicon from cell line HCVR22
US-10-005-469-5

Query Match      100.0%; Score 20; DB 13; Length 7992;
Best Local Similarity 100.0%; Pred. No. 0.013;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTTCGGACCCCAACTACTC 20
      |||
Db      275 TTTCGGACCCCAACTACTC 256

Search completed: October 11, 2005, 02:30:45
Job time : 385.947 secs
```

GenCore version 5.1.6
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: October 10, 2005, 21:26:15 ; Search time 51.6316 Seconds
(without alignments)
570.445 Million cell updates/sec

Title: US-08-887-505B-38

Perfect score: 18

Sequence: 1 GGGGCUUGGAGNNNNN 18

Scoring table: OLIGO_NUC

Gapop 60.0 , Gapext 60.0

Searched: 1202784 seqs, 818138359 residues

Word size : 0

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 1000 summaries

Database : Issued Patents NA:*

- 1: /cgn2_6/ptodata/1/ina/5A_COMB.seq:*
- 2: /cgn2_6/ptodata/1/ina/5B_COMB.seq:*
- 3: /cgn2_6/ptodata/1/ina/6A_COMB.seq:*
- 4: /cgn2_6/ptodata/1/ina/6B_COMB.seq:*
- 5: /cgn2_6/ptodata/1/ina/FCTUS_COMB.seq:*
- 6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	13	72.2	59479	4	US-09-949-016-16910 Sequence 16910, A
C 2	12	66.7	12	4	US-09-647-344A-43 Sequence 43, Appl
C 3	12	66.7	14	3	US-08-650-093C-97 Sequence 97, Appl
C 4	12	66.7	16	3	US-08-954-210-39 Sequence 39, Appl
C 5	12	66.7	16	3	US-09-431-419A-39 Sequence 39, Appl
C 6	12	66.7	19	4	US-09-782-361-14 Sequence 14, Appl
C 7	12	66.7	20	2	US-08-483-695-22 Sequence 22, Appl
C 8	12	66.7	20	2	US-07-965-285-22 Sequence 22, Appl
C 9	12	66.7	20	2	US-08-487-231-22 Sequence 22, Appl
C 10	12	66.7	20	3	US-09-201-912-22 Sequence 22, Appl
C 11	12	66.7	20	3	US-08-397-220B-38 Sequence 38, Appl
C 12	12	66.7	20	3	US-08-397-220B-39 Sequence 39, Appl
C 13	12	66.7	20	3	US-08-397-220B-40 Sequence 40, Appl
C 14	12	66.7	20	3	US-08-397-220B-41 Sequence 41, Appl
C 15	12	66.7	20	3	US-08-397-220B-44 Sequence 44, Appl
C 16	12	66.7	20	3	US-08-650-093C-38 Sequence 38, Appl
C 17	12	66.7	20	3	US-08-650-093C-39 Sequence 39, Appl
C 18	12	66.7	20	3	US-08-650-093C-40 Sequence 40, Appl
C 19	12	66.7	20	3	US-08-650-093C-41 Sequence 41, Appl
C 20	12	66.7	20	3	US-08-650-093C-44 Sequence 44, Appl
C 21	12	66.7	20	4	US-09-647-344A-49 Sequence 49, Appl
C 22	12	66.7	22	4	US-09-647-344A-49 Sequence 49, Appl
C 23	12	66.7	24	2	US-08-639-080-22 Sequence 22, Appl
C 24	12	66.7	25	4	US-09-647-344A-47 Sequence 39, Appl
C 25	12	66.7	25	4	US-09-647-344A-47 Sequence 47, Appl
C 26	12	66.7	26	3	US-08-397-220B-98 Sequence 98, Appl
C 27	12	66.7	26	3	US-08-650-093C-98 Sequence 98, Appl

Sequence 7, Appl	US-08-240-547-7	30	1	66.7	12	C 28
Sequence 66, Appl	US-08-530-492-66	39	1	66.7	12	C 29
Sequence 66, Appl	US-08-906-517-66	39	3	66.7	12	C 30
Sequence 48, Appl	US-09-647-344A-48	46	4	66.7	12	C 31
Sequence 2597, Ap	US-09-422-978-2597	47	4	66.7	12	C 32
Sequence 1042, A	US-09-621-976-10142	61	4	66.7	12	C 33
Sequence 41, Appl	US-08-474-700B-41	155	3	66.7	12	C 34
Sequence 61, Appl	US-08-256-568B-61	177	2	66.7	12	C 35
Sequence 67, Appl	US-08-256-568B-67	177	2	66.7	12	C 36
Sequence 68, Appl	US-08-256-568B-68	177	2	66.7	12	C 37
Sequence 69, Appl	US-08-256-568B-69	177	2	66.7	12	C 38
Sequence 70, Appl	US-08-256-568B-70	177	2	66.7	12	C 39
Sequence 72, Appl	US-08-256-568B-72	177	2	66.7	12	C 40
Sequence 73, Appl	US-08-256-568B-73	177	2	66.7	12	C 41
Sequence 74, Appl	US-08-256-568B-74	177	2	66.7	12	C 42
Sequence 75, Appl	US-08-256-568B-75	177	2	66.7	12	C 43
Sequence 76, Appl	US-08-256-568B-76	177	2	66.7	12	C 44
Sequence 77, Appl	US-08-256-568B-77	177	2	66.7	12	C 45
Sequence 78, Appl	US-08-256-568B-78	177	2	66.7	12	C 46
Sequence 79, Appl	US-08-256-568B-79	177	2	66.7	12	C 47
Sequence 80, Appl	US-08-256-568B-80	177	2	66.7	12	C 48
Sequence 81, Appl	US-09-038-369B-61	177	3	66.7	12	C 49
Sequence 67, Appl	US-09-038-369B-67	177	3	66.7	12	C 50
Sequence 68, Appl	US-09-038-369B-68	177	3	66.7	12	C 51
Sequence 70, Appl	US-09-038-369B-70	177	3	66.7	12	C 52
Sequence 72, Appl	US-09-038-369B-72	177	3	66.7	12	C 53
Sequence 73, Appl	US-09-038-369B-73	177	3	66.7	12	C 54
Sequence 74, Appl	US-09-038-369B-74	177	3	66.7	12	C 55
Sequence 75, Appl	US-09-038-369B-75	177	3	66.7	12	C 56
Sequence 76, Appl	US-09-038-369B-76	177	3	66.7	12	C 57
Sequence 77, Appl	US-09-038-369B-77	177	3	66.7	12	C 58
Sequence 78, Appl	US-09-038-369B-78	177	3	66.7	12	C 59
Sequence 79, Appl	US-09-038-369B-79	177	3	66.7	12	C 60
Sequence 80, Appl	US-09-038-369B-80	177	3	66.7	12	C 61
Sequence 61, Appl	US-09-378-900A-61	177	4	66.7	12	C 62
Sequence 67, Appl	US-09-378-900A-67	177	4	66.7	12	C 63
Sequence 68, Appl	US-09-378-900A-68	177	4	66.7	12	C 64
Sequence 69, Appl	US-09-378-900A-69	177	4	66.7	12	C 65
Sequence 70, Appl	US-09-378-900A-70	177	4	66.7	12	C 66
Sequence 72, Appl	US-09-378-900A-72	177	4	66.7	12	C 67
Sequence 73, Appl	US-09-378-900A-73	177	4	66.7	12	C 68
Sequence 74, Appl	US-09-378-900A-74	177	4	66.7	12	C 69
Sequence 75, Appl	US-09-378-900A-75	177	4	66.7	12	C 70
Sequence 76, Appl	US-09-378-900A-76	177	4	66.7	12	C 71
Sequence 77, Appl	US-09-378-900A-77	177	4	66.7	12	C 72
Sequence 78, Appl	US-09-378-900A-78	177	4	66.7	12	C 73
Sequence 79, Appl	US-09-378-900A-79	177	4	66.7	12	C 74
Sequence 80, Appl	US-09-378-900A-80	177	4	66.7	12	C 75
Sequence 61, Appl	US-09-899-044-61	177	4	66.7	12	C 76
Sequence 67, Appl	US-09-899-044-67	177	4	66.7	12	C 77
Sequence 68, Appl	US-09-899-044-68	177	4	66.7	12	C 78
Sequence 69, Appl	US-09-899-044-69	177	4	66.7	12	C 79
Sequence 70, Appl	US-09-899-044-70	177	4	66.7	12	C 80
Sequence 72, Appl	US-09-899-044-72	177	4	66.7	12	C 81
Sequence 73, Appl	US-09-899-044-73	177	4	66.7	12	C 82
Sequence 74, Appl	US-09-899-044-74	177	4	66.7	12	C 83
Sequence 75, Appl	US-09-899-044-75	177	4	66.7	12	C 84
Sequence 76, Appl	US-09-899-044-76	177	4	66.7	12	C 85
Sequence 77, Appl	US-09-899-044-77	177	4	66.7	12	C 86
Sequence 78, Appl	US-09-899-044-78	177	4	66.7	12	C 87
Sequence 79, Appl	US-09-899-044-79	177	4	66.7	12	C 88
Sequence 80, Appl	US-09-899-044-80	177	4	66.7	12	C 89
Sequence 59, Appl	US-08-256-568B-59	178	2	66.7	12	C 90
Sequence 51, Appl	US-08-256-568B-71	178	2	66.7	12	C 91
Sequence 59, Appl	US-09-038-369B-59	178	3	66.7	12	C 92
Sequence 71, Appl	US-09-038-369B-71	178	3	66.7	12	C 93
Sequence 59, Appl	US-09-378-900A-59	178	4	66.7	12	C 94
Sequence 71, Appl	US-09-378-900A-71	178	4	66.7	12	C 95
Sequence 59, Appl	US-09-899-044-59	178	4	66.7	12	C 96
Sequence 71, Appl	US-09-899-044-71	178	4	66.7	12	C 97
Sequence 50, Appl	US-08-441-971-50	180	3	66.7	12	C 98
Sequence 51, Appl	US-08-441-971-51	180	3	66.7	12	C 99
Sequence 51, Appl	US-08-441-971-51	180	3	66.7	12	C 100

C 101	12	66.7	180	3	US-08-221-653-50	Sequence 50, Appl	C 174	12	66.7	244	4	US-09-825-574-26	Sequence 26, Appl
C 102	12	66.7	180	3	US-08-221-653-51	Sequence 51, Appl	C 175	12	66.7	244	4	US-09-825-574-29	Sequence 29, Appl
C 103	12	66.7	180	3	US-08-442-144A-50	Sequence 50, Appl	C 176	12	66.7	244	4	US-09-825-574-31	Sequence 31, Appl
C 104	12	66.7	180	3	US-08-442-144A-51	Sequence 51, Appl	C 177	12	66.7	244	4	US-09-676-768-26	Sequence 26, Appl
C 105	12	66.7	180	3	US-08-441-970-50	Sequence 50, Appl	C 178	12	66.7	244	4	US-09-676-768-29	Sequence 29, Appl
C 106	12	66.7	180	3	US-08-441-970-51	Sequence 51, Appl	C 179	12	66.7	244	4	US-09-676-768-31	Sequence 31, Appl
C 107	12	66.7	194	2	US-08-634-797-46	Sequence 46, Appl	C 180	12	66.7	252	3	US-08-441-971-33	Sequence 33, Appl
C 108	12	66.7	194	2	US-08-634-797-47	Sequence 47, Appl	C 181	12	66.7	252	3	US-08-441-971-34	Sequence 34, Appl
C 109	12	66.7	194	2	US-08-634-797-48	Sequence 48, Appl	C 182	12	66.7	252	3	US-08-441-971-35	Sequence 35, Appl
C 110	12	66.7	201	4	US-09-270-767-28457	Sequence 28457, A	C 183	12	66.7	252	3	US-08-441-971-36	Sequence 36, Appl
C 111	12	66.7	221	4	US-09-513-999C-29549	Sequence 29549, A	C 184	12	66.7	252	3	US-08-441-971-37	Sequence 37, Appl
C 112	12	66.7	232	3	US-09-034-205-37	Sequence 37, Appl	C 185	12	66.7	252	3	US-08-441-971-38	Sequence 38, Appl
C 113	12	66.7	232	3	US-08-934-097A-37	Sequence 37, Appl	C 186	12	66.7	252	3	US-08-441-971-39	Sequence 39, Appl
C 114	12	66.7	232	3	US-08-851-588-37	Sequence 37, Appl	C 187	12	66.7	252	3	US-08-441-971-40	Sequence 40, Appl
C 115	12	66.7	232	3	US-09-677-218B-37	Sequence 37, Appl	C 188	12	66.7	252	3	US-08-441-971-41	Sequence 41, Appl
C 116	12	66.7	232	3	US-09-677-192-37	Sequence 37, Appl	C 189	12	66.7	252	3	US-08-441-971-42	Sequence 42, Appl
C 117	12	66.7	232	4	US-09-402-618B-37	Sequence 37, Appl	C 190	12	66.7	252	3	US-08-441-971-43	Sequence 43, Appl
C 118	12	66.7	232	4	US-09-825-574-37	Sequence 37, Appl	C 191	12	66.7	252	3	US-08-441-971-44	Sequence 44, Appl
C 119	12	66.7	232	4	US-09-676-768-37	Sequence 37, Appl	C 192	12	66.7	252	3	US-08-441-971-45	Sequence 45, Appl
C 120	12	66.7	239	3	US-09-034-205-32	Sequence 32, Appl	C 193	12	66.7	252	3	US-08-441-971-49	Sequence 49, Appl
C 121	12	66.7	239	3	US-09-034-205-36	Sequence 36, Appl	C 194	12	66.7	252	3	US-08-221-653-33	Sequence 33, Appl
C 122	12	66.7	239	3	US-08-934-097A-32	Sequence 32, Appl	C 195	12	66.7	252	3	US-08-221-653-34	Sequence 34, Appl
C 123	12	66.7	239	3	US-08-934-097A-36	Sequence 36, Appl	C 196	12	66.7	252	3	US-08-221-653-35	Sequence 35, Appl
C 124	12	66.7	239	3	US-08-851-588-32	Sequence 32, Appl	C 197	12	66.7	252	3	US-08-221-653-36	Sequence 36, Appl
C 125	12	66.7	239	3	US-08-851-588-36	Sequence 36, Appl	C 198	12	66.7	252	3	US-08-221-653-37	Sequence 37, Appl
C 126	12	66.7	239	3	US-09-677-218B-32	Sequence 32, Appl	C 199	12	66.7	252	3	US-08-221-653-38	Sequence 38, Appl
C 127	12	66.7	239	3	US-09-677-218B-36	Sequence 36, Appl	C 200	12	66.7	252	3	US-08-221-653-39	Sequence 39, Appl
C 128	12	66.7	239	3	US-09-677-192-32	Sequence 32, Appl	C 201	12	66.7	252	3	US-08-221-653-40	Sequence 40, Appl
C 129	12	66.7	239	3	US-09-677-192-36	Sequence 36, Appl	C 202	12	66.7	252	3	US-08-221-653-41	Sequence 41, Appl
C 130	12	66.7	239	4	US-09-402-618B-32	Sequence 32, Appl	C 203	12	66.7	252	3	US-08-221-653-42	Sequence 42, Appl
C 131	12	66.7	239	4	US-09-402-618B-36	Sequence 36, Appl	C 204	12	66.7	252	3	US-08-221-653-43	Sequence 43, Appl
C 132	12	66.7	239	4	US-09-825-574-32	Sequence 32, Appl	C 205	12	66.7	252	3	US-08-221-653-44	Sequence 44, Appl
C 133	12	66.7	239	4	US-09-825-574-36	Sequence 36, Appl	C 206	12	66.7	252	3	US-08-221-653-45	Sequence 45, Appl
C 134	12	66.7	239	4	US-09-676-768-32	Sequence 32, Appl	C 207	12	66.7	252	3	US-08-221-653-49	Sequence 49, Appl
C 135	12	66.7	239	4	US-09-676-768-36	Sequence 36, Appl	C 208	12	66.7	252	3	US-08-442-144A-33	Sequence 33, Appl
C 136	12	66.7	240	3	US-09-034-205-33	Sequence 33, Appl	C 209	12	66.7	252	3	US-08-442-144A-34	Sequence 34, Appl
C 137	12	66.7	240	3	US-09-034-205-38	Sequence 38, Appl	C 210	12	66.7	252	3	US-08-442-144A-35	Sequence 35, Appl
C 138	12	66.7	240	3	US-08-934-097A-33	Sequence 33, Appl	C 211	12	66.7	252	3	US-08-442-144A-36	Sequence 36, Appl
C 139	12	66.7	240	3	US-08-934-097A-38	Sequence 38, Appl	C 212	12	66.7	252	3	US-08-442-144A-37	Sequence 37, Appl
C 140	12	66.7	240	3	US-08-851-588-33	Sequence 33, Appl	C 213	12	66.7	252	3	US-08-442-144A-38	Sequence 38, Appl
C 141	12	66.7	240	3	US-08-851-588-38	Sequence 38, Appl	C 214	12	66.7	252	3	US-08-442-144A-39	Sequence 39, Appl
C 142	12	66.7	240	3	US-09-677-218B-33	Sequence 33, Appl	C 215	12	66.7	252	3	US-08-442-144A-40	Sequence 40, Appl
C 143	12	66.7	240	3	US-09-677-218B-38	Sequence 38, Appl	C 216	12	66.7	252	3	US-08-442-144A-41	Sequence 41, Appl
C 144	12	66.7	240	3	US-09-677-192-33	Sequence 33, Appl	C 217	12	66.7	252	3	US-08-442-144A-42	Sequence 42, Appl
C 145	12	66.7	240	3	US-09-677-192-38	Sequence 38, Appl	C 218	12	66.7	252	3	US-08-442-144A-43	Sequence 43, Appl
C 146	12	66.7	240	4	US-09-402-618B-33	Sequence 33, Appl	C 219	12	66.7	252	3	US-08-442-144A-44	Sequence 44, Appl
C 147	12	66.7	240	4	US-09-402-618B-38	Sequence 38, Appl	C 220	12	66.7	252	3	US-08-442-144A-45	Sequence 45, Appl
C 148	12	66.7	240	4	US-09-825-574-33	Sequence 33, Appl	C 221	12	66.7	252	3	US-08-442-144A-49	Sequence 49, Appl
C 149	12	66.7	240	4	US-09-825-574-38	Sequence 38, Appl	C 222	12	66.7	252	3	US-08-441-970-33	Sequence 33, Appl
C 150	12	66.7	240	4	US-09-676-768-33	Sequence 33, Appl	C 223	12	66.7	252	3	US-08-441-970-34	Sequence 34, Appl
C 151	12	66.7	240	4	US-09-676-768-38	Sequence 38, Appl	C 224	12	66.7	252	3	US-08-441-970-35	Sequence 35, Appl
C 152	12	66.7	242	2	US-08-335-595-1	Sequence 1, Appl	C 225	12	66.7	252	3	US-08-441-970-36	Sequence 36, Appl
C 153	12	66.7	244	3	US-09-034-205-26	Sequence 26, Appl	C 226	12	66.7	252	3	US-08-441-970-37	Sequence 37, Appl
C 154	12	66.7	244	3	US-09-034-205-29	Sequence 29, Appl	C 227	12	66.7	252	3	US-08-441-970-38	Sequence 38, Appl
C 155	12	66.7	244	3	US-09-034-205-31	Sequence 31, Appl	C 228	12	66.7	252	3	US-08-441-970-39	Sequence 39, Appl
C 156	12	66.7	244	3	US-08-934-097A-26	Sequence 26, Appl	C 229	12	66.7	252	3	US-08-441-970-40	Sequence 40, Appl
C 157	12	66.7	244	3	US-08-934-097A-29	Sequence 29, Appl	C 230	12	66.7	252	3	US-08-441-970-41	Sequence 41, Appl
C 158	12	66.7	244	3	US-08-934-097A-31	Sequence 31, Appl	C 231	12	66.7	252	3	US-08-441-970-42	Sequence 42, Appl
C 159	12	66.7	244	3	US-08-851-588-26	Sequence 26, Appl	C 232	12	66.7	252	3	US-08-441-970-43	Sequence 43, Appl
C 160	12	66.7	244	3	US-08-851-588-29	Sequence 29, Appl	C 233	12	66.7	252	3	US-08-441-970-44	Sequence 44, Appl
C 161	12	66.7	244	3	US-08-851-588-31	Sequence 31, Appl	C 234	12	66.7	252	3	US-08-441-970-45	Sequence 45, Appl
C 162	12	66.7	244	3	US-09-677-218B-26	Sequence 26, Appl	C 235	12	66.7	252	3	US-08-441-970-49	Sequence 49, Appl
C 163	12	66.7	244	3	US-09-677-218B-29	Sequence 29, Appl	C 236	12	66.7	256	2	US-08-483-695-1	Sequence 1, Appl
C 164	12	66.7	244	3	US-09-677-218B-31	Sequence 31, Appl	C 237	12	66.7	256	2	US-08-483-695-24	Sequence 24, Appl
C 165	12	66.7	244	3	US-09-677-192-26	Sequence 26, Appl	C 238	12	66.7	256	2	US-08-483-695-25	Sequence 25, Appl
C 166	12	66.7	244	3	US-09-677-192-29	Sequence 29, Appl	C 239	12	66.7	256	2	US-08-483-695-26	Sequence 26, Appl
C 167	12	66.7	244	3	US-09-677-192-31	Sequence 31, Appl	C 240	12	66.7	256	2	US-07-965-285-1	Sequence 1, Appl
C 168	12	66.7	244	4	US-09-402-618B-26	Sequence 26, Appl	C 241	12	66.7	256	2	US-07-965-285-24	Sequence 24, Appl
C 169	12	66.7	244	4	US-09-402-618B-29	Sequence 29, Appl	C 242	12	66.7	256	2	US-07-965-285-25	Sequence 25, Appl
C 170	12	66.7	244	4	US-09-402-618B-31	Sequence 31, Appl	C 243	12	66.7	256	2	US-07-965-285-26	Sequence 26, Appl
C 171	12	66.7	244	4	US-09-402-618B-124	Sequence 124, App	C 244	12	66.7	256	2	US-08-487-231-1	Sequence 1, Appl
C 172	12	66.7	244	4	US-09-402-618B-127	Sequence 127, App	C 245	12	66.7	256	2	US-08-487-231-24	Sequence 24, Appl
C 173	12	66.7	244	4	US-09-402-618B-128	Sequence 128, App	C 246	12	66.7	256	2	US-08-487-231-25	Sequence 25, Appl

C 247	12	66.7	256	2	US-08-487-231-26	Sequence 26, Appl	C 320	12	66.7	341	4	US-09-814-351-3	Sequence 3, Appli
C 248	12	66.7	256	3	US-09-201-912-1	Sequence 1, Appli	C 321	12	66.7	341	5	PCT-US95-13552-39	Sequence 4, Appli
C 249	12	66.7	256	3	US-09-201-912-24	Sequence 24, Appl	C 322	12	66.7	342	3	US-08-474-700B-3	Sequence 39, Appl
C 250	12	66.7	256	3	US-09-201-912-25	Sequence 25, Appl	C 323	12	66.7	347	4	US-08-150-204E-100	Sequence 100, App
C 251	12	66.7	256	3	US-09-201-912-26	Sequence 26, Appl	C 324	12	66.7	350	2	US-07-863-622-1	Sequence 1, Appli
C 252	12	66.7	260	3	US-08-474-700B-40	Sequence 40, Appl	C 325	12	66.7	350	5	PCT-US93-03266-1	Sequence 1, Appli
C 253	12	66.7	281	2	US-08-757-653-121	Sequence 121, App	C 326	12	66.7	356	4	US-09-513-999C-31161	Sequence 31161, A
C 254	12	66.7	281	2	US-08-757-653-126	Sequence 126, App	C 327	12	66.7	359	4	US-08-150-204E-99	Sequence 99, Appl
C 255	12	66.7	281	2	US-08-757-653-127	Sequence 127, App	C 328	12	66.7	360	4	US-08-150-204E-98	Sequence 98, Appl
C 256	12	66.7	281	2	US-08-757-653-128	Sequence 128, App	C 329	12	66.7	370	4	US-09-621-976-1580	Sequence 1580, Ap
C 257	12	66.7	281	2	US-08-757-653-132	Sequence 132, App	C 330	12	66.7	386	2	US-08-757-653-122	Sequence 122, App
C 258	12	66.7	281	3	US-08-520-946-121	Sequence 121, App	C 331	12	66.7	386	3	US-08-520-946-122	Sequence 122, App
C 259	12	66.7	281	3	US-08-520-946-126	Sequence 126, App	C 332	12	66.7	386	4	US-09-655-378A-122	Sequence 122, App
C 260	12	66.7	281	3	US-08-520-946-127	Sequence 127, App	C 333	12	66.7	401	3	US-09-643-597-264	Sequence 264, App
C 261	12	66.7	281	3	US-08-520-946-128	Sequence 128, App	C 334	12	66.7	401	4	US-09-480-884A-264	Sequence 264, App
C 262	12	66.7	281	3	US-08-520-946-132	Sequence 132, App	C 335	12	66.7	401	4	US-09-542-615A-264	Sequence 264, App
C 263	12	66.7	281	4	US-09-655-378A-121	Sequence 121, App	C 336	12	66.7	401	4	US-09-606-421B-264	Sequence 264, App
C 264	12	66.7	281	4	US-09-655-378A-126	Sequence 126, App	C 337	12	66.7	401	4	US-09-630-940B-264	Sequence 264, App
C 265	12	66.7	281	4	US-09-655-378A-127	Sequence 127, App	C 338	12	66.7	420	4	US-09-902-540-5709	Sequence 5709, Ap
C 266	12	66.7	281	4	US-09-655-378A-128	Sequence 128, App	C 339	12	66.7	447	4	US-09-621-976-17212	Sequence 17212, A
C 267	12	66.7	281	4	US-09-655-378A-132	Sequence 132, App	C 340	12	66.7	461	3	US-08-836-075A-103	Sequence 103, App
C 268	12	66.7	282	2	US-08-757-653-134	Sequence 134, App	C 341	12	66.7	462	2	US-08-852-807-6	Sequence 6, Appli
C 269	12	66.7	282	2	US-08-757-653-130	Sequence 130, App	C 342	12	66.7	470	4	US-09-653-119A-16	Sequence 16, Appl
C 270	12	66.7	282	3	US-08-520-946-124	Sequence 124, App	C 343	12	66.7	504	3	US-08-191-160-18	Sequence 18, Appl
C 271	12	66.7	282	3	US-08-520-946-130	Sequence 130, App	C 344	12	66.7	587	4	US-09-720-201A-2	Sequence 2, Appli
C 272	12	66.7	282	4	US-09-655-378A-124	Sequence 124, App	C 345	12	66.7	601	4	US-09-949-016-19009	Sequence 19009, A
C 273	12	66.7	282	4	US-09-655-378A-130	Sequence 130, App	C 346	12	66.7	601	4	US-09-949-016-22177	Sequence 22177, A
C 274	12	66.7	289	3	US-09-034-205-20	Sequence 20, Appl	C 347	12	66.7	601	4	US-09-949-016-23106	Sequence 23106, A
C 275	12	66.7	289	3	US-09-034-205-23	Sequence 23, Appl	C 348	12	66.7	601	4	US-09-949-016-27838	Sequence 27838, A
C 276	12	66.7	289	3	US-08-934-097A-20	Sequence 20, Appl	C 349	12	66.7	601	4	US-09-949-016-35419	Sequence 35419, A
C 277	12	66.7	289	3	US-08-934-097A-23	Sequence 23, Appl	C 350	12	66.7	601	4	US-09-949-016-35420	Sequence 35420, A
C 278	12	66.7	289	3	US-08-851-588-20	Sequence 20, Appl	C 351	12	66.7	601	4	US-09-949-016-35421	Sequence 35421, A
C 279	12	66.7	289	3	US-08-851-588-23	Sequence 23, Appl	C 352	12	66.7	601	4	US-09-949-016-35422	Sequence 35422, A
C 280	12	66.7	289	3	US-09-677-218B-20	Sequence 20, Appl	C 353	12	66.7	601	4	US-09-949-016-47089	Sequence 47089, A
C 281	12	66.7	289	3	US-09-677-218B-23	Sequence 23, Appl	C 354	12	66.7	601	4	US-09-949-016-48640	Sequence 48640, A
C 282	12	66.7	289	3	US-09-677-192-20	Sequence 20, Appl	C 355	12	66.7	601	4	US-09-949-016-55193	Sequence 55193, A
C 283	12	66.7	289	3	US-09-677-192-23	Sequence 23, Appl	C 356	12	66.7	601	4	US-09-949-016-55671	Sequence 55671, A
C 284	12	66.7	289	4	US-09-402-618B-23	Sequence 23, Appl	C 357	12	66.7	601	4	US-09-949-016-58990	Sequence 58990, A
C 285	12	66.7	289	4	US-09-402-618B-20	Sequence 20, Appl	C 358	12	66.7	601	4	US-09-949-016-63043	Sequence 63043, A
C 286	12	66.7	289	4	US-09-825-574-20	Sequence 20, Appl	C 359	12	66.7	601	4	US-09-949-016-68946	Sequence 68946, A
C 287	12	66.7	289	4	US-09-825-574-23	Sequence 23, Appl	C 360	12	66.7	601	4	US-09-949-016-81230	Sequence 81230, A
C 288	12	66.7	289	4	US-09-676-768-20	Sequence 20, Appl	C 361	12	66.7	601	4	US-09-949-016-82531	Sequence 82531, A
C 289	12	66.7	289	4	US-09-676-768-23	Sequence 23, Appl	C 362	12	66.7	601	4	US-09-949-016-94155	Sequence 94155, A
C 290	12	66.7	305	1	US-08-332-616A-1	Sequence 1, Appli	C 363	12	66.7	601	4	US-09-949-016-116947	Sequence 116947, A
C 291	12	66.7	305	1	US-08-317-220-1	Sequence 1, Appli	C 364	12	66.7	601	4	US-09-949-016-127463	Sequence 127463, A
C 292	12	66.7	308	3	US-08-444-818-108	Sequence 108, App	C 365	12	66.7	601	4	US-09-949-016-131124	Sequence 131124, A
C 293	12	66.7	308	3	US-08-444-818-109	Sequence 109, App	C 366	12	66.7	601	4	US-09-949-016-131125	Sequence 131125, A
C 294	12	66.7	308	3	US-08-444-818-110	Sequence 110, App	C 367	12	66.7	601	4	US-09-949-016-132404	Sequence 132404, A
C 295	12	66.7	308	3	US-08-444-818-112	Sequence 112, App	C 368	12	66.7	601	4	US-09-949-016-132405	Sequence 132405, A
C 296	12	66.7	308	3	US-08-444-818-114	Sequence 114, App	C 369	12	66.7	601	4	US-09-949-016-177691	Sequence 177691, A
C 297	12	66.7	308	3	US-08-444-818-116	Sequence 116, App	C 370	12	66.7	601	4	US-09-949-016-178899	Sequence 178899, A
C 298	12	66.7	308	3	US-08-444-818-118	Sequence 118, App	C 371	12	66.7	601	4	US-09-949-016-179483	Sequence 179483, A
C 299	12	66.7	309	4	US-08-444-818-118	Sequence 118, App	C 372	12	66.7	601	4	US-09-949-016-179484	Sequence 179484, A
C 300	12	66.7	324	2	US-08-470-426B-1	Sequence 1, Appli	C 373	12	66.7	601	4	US-09-949-016-179485	Sequence 179485, A
C 301	12	66.7	324	2	US-08-470-426B-15	Sequence 15, Appl	C 374	12	66.7	601	4	US-09-949-016-179486	Sequence 179486, A
C 302	12	66.7	327	2	US-08-756-386-56	Sequence 56, Appl	C 375	12	66.7	601	4	US-09-949-016-183217	Sequence 183217, A
C 303	12	66.7	337	2	US-08-823-515-45	Sequence 45, Appl	C 376	12	66.7	601	4	US-09-949-016-184414	Sequence 184414, A
C 304	12	66.7	337	3	US-08-682-853A-56	Sequence 56, Appl	C 377	12	66.7	601	4	US-09-949-016-198532	Sequence 198532, A
C 305	12	66.7	337	3	US-08-759-038-56	Sequence 56, Appl	C 378	12	66.7	601	4	US-09-949-016-198533	Sequence 198533, A
C 306	12	66.7	337	3	US-08-758-314-56	Sequence 56, Appl	C 379	12	66.7	601	4	US-09-949-016-203551	Sequence 203551, A
C 307	12	66.7	337	3	US-09-350-309-56	Sequence 56, Appl	C 380	12	66.7	601	4	US-09-949-016-203552	Sequence 203552, A
C 308	12	66.7	337	4	US-09-684-938-56	Sequence 56, Appl	C 381	12	66.7	652	3	US-08-836-075A-59	Sequence 59, Appl
C 309	12	66.7	337	4	US-09-308-825A-56	Sequence 56, Appl	C 382	12	66.7	665	3	US-08-444-818-94	Sequence 94, Appl
C 310	12	66.7	337	4	US-09-940-244-45	Sequence 45, Appl	C 383	12	66.7	665	3	US-08-444-818-95	Sequence 95, Appl
C 311	12	66.7	337	4	US-09-333-145-56	Sequence 56, Appl	C 384	12	66.7	665	3	US-08-444-818-96	Sequence 96, Appl
C 312	12	66.7	339	4	US-09-513-999C-22343	Sequence 22343, A	C 385	12	66.7	665	3	US-08-444-818-98	Sequence 98, Appl
C 313	12	66.7	341	2	US-08-440-209-1	Sequence 1, Appli	C 386	12	66.7	665	3	US-08-444-818-100	Sequence 100, App
C 314	12	66.7	341	3	US-08-854-531-4	Sequence 4, Appli	C 387	12	66.7	665	3	US-08-444-818-102	Sequence 102, App
C 315	12	66.7	341	3	US-08-439-996-1	Sequence 1, Appli	C 388	12	66.7	685	4	US-09-690-936-37	Sequence 37, Appl
C 316	12	66.7	341	3	US-09-014-416-47	Sequence 47, Appl	C 389	12	66.7	686	3	US-08-988-321B-37	Sequence 37, Appl
C 317	12	66.7	341	3	US-09-014-416-48	Sequence 48, Appl	C 390	12	66.7	686	3	US-08-397-220B-25	Sequence 25, Appl
C 318	12	66.7	341	3	US-09-014-416-49	Sequence 49, Appl	C 391	12	66.7	686	3	US-08-650-093C-25	Sequence 25, Appl
C 319	12	66.7	341	3	US-08-869-380-4	Sequence 4, Appli	C 392	12	66.7	702	4	US-09-720-201A-3	Sequence 3, Appli

C 393	12	66.7	725	4	US-09-328-475C-295	Sequence 295, App	466	12	66.7	2562	4	US-09-620-312D-264	Sequence 264, App
C 394	12	66.7	736	4	US-09-328-475C-294	Sequence 294, App	C 467	12	66.7	2589	2	US-08-482-728A-3	Sequence 3, Appli
C 395	12	66.7	780	3	US-08-474-700B-45	Sequence 45, Appli	468	12	66.7	2674	4	US-10-066-130-19	Sequence 19, Appl
C 396	12	66.7	789	3	US-09-109-204-11	Sequence 11, Appl	469	12	66.7	2733	4	US-09-976-594-517	Sequence 517, App
C 397	12	66.7	789	4	US-09-490-032-11	Sequence 11, Appl	C 470	12	66.7	2754	4	US-09-949-016-5122	Sequence 5122, Ap
C 398	12	66.7	789	4	US-08-949-016-2067	Sequence 2067, Ap	471	12	66.7	2771	4	US-10-066-130-18	Sequence 18, Appl
C 399	12	66.7	803	1	US-08-157-235-1	Sequence 1, Appli	C 472	12	66.7	2826	4	US-08-949-016-3926	Sequence 3926, Ap
C 400	12	66.7	803	1	US-08-157-235-2	Sequence 2, Appli	C 473	12	66.7	2828	4	US-09-016-434-1458	Sequence 1458, Ap
C 401	12	66.7	803	1	US-08-157-235-3	Sequence 3, Appli	474	12	66.7	2879	4	US-09-949-016-5150	Sequence 5150, Ap
C 402	12	66.7	803	1	US-08-157-235-4	Sequence 4, Appli	C 475	12	66.7	2901	4	US-09-949-016-4707	Sequence 4707, Ap
C 403	12	66.7	803	1	US-08-157-235-5	Sequence 5, Appli	C 476	12	66.7	2980	4	US-09-266-325D-11	Sequence 11, Appl
C 404	12	66.7	819	4	US-09-910-174B-20	Sequence 20, Appl	C 477	12	66.7	3045	4	US-09-949-016-701	Sequence 701, App
C 405	12	66.7	819	4	US-09-620-461-20	Sequence 20, Appl	C 478	12	66.7	3181	4	US-08-620-312D-856	Sequence 856, App
C 406	12	66.7	821	3	US-09-342-681C-7	Sequence 7, Appli	C 479	12	66.7	3264	4	US-09-949-016-1268	Sequence 1268, Ap
C 407	12	66.7	923	3	US-08-869-380-1	Sequence 1, Appli	C 480	12	66.7	3277	4	US-09-963-137-163	Sequence 163, App
C 408	12	66.7	923	5	PCT-US95-13552-14	Sequence 14, Appl	C 481	12	66.7	3304	4	US-09-673-395A-539	Sequence 539, App
C 409	12	66.7	995	4	US-09-270-767-12652	Sequence 12652, A	C 482	12	66.7	3389	4	US-09-620-312D-1061	Sequence 1061, Ap
C 410	12	66.7	1024	4	US-09-949-016-5707	Sequence 5707, Ap	C 483	12	66.7	3478	1	US-08-530-492-1	Sequence 1, Appli
C 411	12	66.7	1057	4	US-09-205-258-204	Sequence 204, App	C 484	12	66.7	3478	3	US-08-906-517-1	Sequence 1, Appli
C 412	12	66.7	1105	2	US-08-466-103A-15	Sequence 15, Appl	C 485	12	66.7	3484	1	US-08-530-492-105	Sequence 105, App
C 413	12	66.7	1105	4	US-09-016-434-1481	Sequence 1481, Ap	C 486	12	66.7	3484	3	US-08-906-517-105	Sequence 105, App
C 414	12	66.7	1131	3	US-09-247-155-146	Sequence 146, App	C 487	12	66.7	3604	4	US-09-016-434-1180	Sequence 1180, Ap
C 415	12	66.7	1176	3	US-09-342-681C-14	Sequence 14, Appl	C 488	12	66.7	3650	4	US-09-949-016-3694	Sequence 3694, Ap
C 416	12	66.7	1192	4	US-09-023-655-600	Sequence 600, App	C 489	12	66.7	4031	1	US-08-159-784-1	Sequence 1, Appli
C 417	12	66.7	1223	4	US-09-949-016-1283	Sequence 2283, Ap	C 490	12	66.7	4041	4	US-09-569-611C-1	Sequence 1, Appli
C 418	12	66.7	1248	4	US-09-799-451-844	Sequence 844, App	C 491	12	66.7	4285	3	US-09-040-774-1	Sequence 1, Appli
C 419	12	66.7	1261	4	US-09-755-100A-6	Sequence 6, Appli	492	12	66.7	4313	3	US-09-347-878-19	Sequence 19, Appl
C 420	12	66.7	1272	4	US-09-489-039A-6276	Sequence 6276, Ap	493	12	66.7	4413	4	US-09-949-016-1868	Sequence 1868, Ap
C 421	12	66.7	1340	4	US-09-673-395A-54	Sequence 54, Appl	C 494	12	66.7	4636	4	US-09-949-016-5248	Sequence 5248, Ap
C 422	12	66.7	1499	1	US-08-324-977-3	Sequence 3, Appli	C 495	12	66.7	4700	2	US-08-928-692-16	Sequence 16, Appl
C 423	12	66.7	1499	2	US-08-384-616-3	Sequence 3, Appli	C 496	12	66.7	4700	3	US-09-150-460B-9	Sequence 9, Appli
C 424	12	66.7	1499	2	US-08-904-686A-3	Sequence 3, Appli	497	12	66.7	4700	3	US-09-339-972-16	Sequence 16, Appl
C 425	12	66.7	1499	3	US-09-315-850-3	Sequence 3, Appli	C 498	12	66.7	5076	4	US-09-949-016-1616	Sequence 1616, Ap
C 426	12	66.7	1574	3	US-09-342-681C-1	Sequence 1, Appli	499	12	66.7	5124	3	US-09-534-638-2	Sequence 2, Appli
C 427	12	66.7	1608	2	US-08-424-224-1	Sequence 1, Appli	500	12	66.7	5185	4	US-09-976-594-640	Sequence 640, App
C 428	12	66.7	1608	5	PCT-US94-02891-68	Sequence 68, Appl	C 501	12	66.7	5307	4	US-09-949-016-203	Sequence 203, App
C 429	12	66.7	1635	4	US-09-620-312D-445	Sequence 445, App	502	12	66.7	5427	3	US-09-009-913-2	Sequence 2, Appli
C 430	12	66.7	1644	3	US-08-948-564-5	Sequence 5, Appli	503	12	66.7	5510	3	US-09-009-913-3	Sequence 3, Appli
C 431	12	66.7	1707	4	US-09-266-965-68	Sequence 68, Appl	504	12	66.7	5667	3	US-09-009-913-4	Sequence 4, Appli
C 432	12	66.7	1752	3	US-09-360-779-1	Sequence 1, Appli	505	12	66.7	5860	4	US-10-066-130-17	Sequence 17, Appl
C 433	12	66.7	1752	3	US-09-435-335-1	Sequence 1, Appli	C 506	12	66.7	6109	4	US-09-795-061-1	Sequence 1, Appli
C 434	12	66.7	1773	4	US-09-818-780-71	Sequence 71, Appl	C 507	12	66.7	6139	4	US-08-843-076D-33	Sequence 33, Appl
C 435	12	66.7	1863	2	US-08-470-426B-13	Sequence 13, Appl	C 508	12	66.7	6717	4	US-10-082-272-1	Sequence 1, Appli
C 436	12	66.7	1863	2	US-08-470-426B-14	Sequence 14, Appl	509	12	66.7	6728	4	US-09-949-016-13103	Sequence 13103, A
C 437	12	66.7	1968	4	US-09-902-540-3231	Sequence 3231, Ap	510	12	66.7	6800	4	US-09-949-016-14697	Sequence 14697, A
C 438	12	66.7	2052	4	US-09-949-016-450	Sequence 450, App	C 511	12	66.7	6816	3	US-09-404-650-1	Sequence 1, Appli
C 439	12	66.7	2098	4	US-09-220-132-41	Sequence 41, Appl	C 512	12	66.7	6816	4	US-09-935-541-1	Sequence 1, Appli
C 440	12	66.7	2100	1	US-08-154-915-5	Sequence 5, Appli	C 513	12	66.7	6855	3	US-09-404-650-3	Sequence 3, Appli
C 441	12	66.7	2105	4	US-09-949-016-5354	Sequence 5354, Ap	C 514	12	66.7	6855	4	US-09-935-541-3	Sequence 3, Appli
C 442	12	66.7	2106	1	US-07-970-462A-1	Sequence 1, Appli	515	12	66.7	7070	4	US-09-949-016-12469	Sequence 12469, A
C 443	12	66.7	2106	3	US-08-524-218A-1	Sequence 1, Appli	516	12	66.7	7070	4	US-09-949-016-15322	Sequence 15322, A
C 444	12	66.7	2106	3	US-08-327-874A-1	Sequence 1, Appli	C 517	12	66.7	7242	4	US-09-573-080A-38	Sequence 38, Appl
C 445	12	66.7	2106	4	US-10-008-960-1	Sequence 1, Appli	C 518	12	66.7	7989	4	US-09-539-601-10	Sequence 10, Appl
C 446	12	66.7	2106	5	PCT-US92-10904-1	Sequence 1, Appli	C 519	12	66.7	8001	4	US-09-539-601-7	Sequence 7, Appl
C 447	12	66.7	2106	5	PCT-US94-09700-1	Sequence 1, Appli	C 520	12	66.7	8001	4	US-09-539-601-16	Sequence 16, Appl
C 448	12	66.7	2116	3	US-08-191-160-21	Sequence 21, Appl	C 521	12	66.7	8001	4	US-09-539-601-22	Sequence 22, Appl
C 449	12	66.7	2147	4	US-09-221-268D-2	Sequence 2, Appli	C 522	12	66.7	8001	4	US-09-539-601-28	Sequence 28, Appl
C 450	12	66.7	2173	4	US-09-620-312D-334	Sequence 334, App	C 523	12	66.7	8050	4	US-09-949-016-12	Sequence 12, Appl
C 451	12	66.7	2177	4	US-09-919-039-123	Sequence 124, App	C 524	12	66.7	8596	4	US-09-949-016-14493	Sequence 14493, A
C 452	12	66.7	2200	4	US-09-774-538-309	Sequence 309, App	C 525	12	66.7	8637	4	US-09-539-601-4	Sequence 4, Appli
C 453	12	66.7	2229	4	US-09-620-461-1	Sequence 1, Appli	C 526	12	66.7	8638	4	US-10-029-907-6	Sequence 6, Appli
C 454	12	66.7	2229	4	US-09-620-461-1	Sequence 1, Appli	C 527	12	66.7	8638	4	US-10-029-907-7	Sequence 7, Appli
C 455	12	66.7	2235	4	US-09-949-016-3736	Sequence 3736, Ap	C 528	12	66.7	8638	4	US-10-029-907-24	Sequence 24, Appl
C 456	12	66.7	2246	4	US-09-949-016-4937	Sequence 4937, Ap	C 529	12	66.7	8638	4	US-10-029-907-25	Sequence 25, Appl
C 457	12	66.7	2247	4	US-09-023-655-1410	Sequence 1410, Ap	C 530	12	66.7	8639	4	US-10-029-907-1	Sequence 1, Appli
C 458	12	66.7	2256	1	US-07-794-393-1	Sequence 1, Appli	C 531	12	66.7	8642	4	US-10-029-907-2	Sequence 2, Appli
C 459	12	66.7	2256	1	US-08-001-711-1	Sequence 1, Appli	C 532	12	66.7	8643	4	US-10-029-907-4	Sequence 4, Appli
C 460	12	66.7	2327	4	US-10-066-130-20	Sequence 20, Appl	C 533	12	66.7	8648	4	US-09-539-601-13	Sequence 13, Appl
C 461	12	66.7	2393	4	US-09-023-655-258	Sequence 258, App	C 534	12	66.7	8649	4	US-09-902-540-1042	Sequence 1042, Ap
C 462	12	66.7	2483	2	US-08-177-109A-1	Sequence 1, Appli	C 535	12	66.7	8793	4	US-09-949-016-15668	Sequence 15668, A
C 463	12	66.7	2483	2	US-08-687-706-1	Sequence 1, Appli	C 536	12	66.7	8971	4	US-09-949-016-15668	Sequence 988, App
C 464	12	66.7	2487	4	US-09-620-312D-160	Sequence 160, App	C 537	12	66.7	9101	4	US-09-902-540-988	Sequence 122, App
C 465	12	66.7	2505	4	US-09-799-451-179	Sequence 179, App	C 538	12	66.7	9185	3	US-08-444-818-122	Sequence 122, App

c 685	12	66.7	150409	4	US-09-949-016-12290	Sequence 12290, A	c 758	11	61.1	151	4	US-09-493-795B-321	Sequence 321, App
c 686	12	66.7	150409	4	US-09-949-016-12938	Sequence 12938, A	c 759	11	61.1	151	4	US-09-493-795B-353	Sequence 353, App
c 687	12	66.7	190078	4	US-09-949-016-12707	Sequence 12707, A	c 760	11	61.1	151	4	US-09-493-795B-375	Sequence 375, App
c 688	12	66.7	190078	4	US-09-949-016-17026	Sequence 17026, A	c 761	11	61.1	154	4	US-09-493-795B-267	Sequence 267, App
c 689	12	66.7	199945	4	US-09-949-016-15436	Sequence 15436, A	c 762	11	61.1	154	4	US-09-493-795B-317	Sequence 317, App
c 690	12	66.7	199945	4	US-09-949-016-15436	Sequence 15436, A	c 763	11	61.1	154	4	US-09-493-795B-317	Sequence 317, App
c 691	12	66.7	209210	4	US-09-949-016-15094	Sequence 15094, A	c 764	11	61.1	154	4	US-09-493-795B-323	Sequence 323, App
c 692	12	66.7	209210	4	US-09-949-016-15094	Sequence 15094, A	c 765	11	61.1	154	4	US-09-493-795B-337	Sequence 337, App
c 693	12	66.7	227390	4	US-09-949-016-12201	Sequence 12201, A	c 766	11	61.1	154	4	US-09-493-795B-339	Sequence 339, App
c 694	12	66.7	227391	4	US-09-949-016-13365	Sequence 13365, A	c 767	11	61.1	154	4	US-09-493-795B-365	Sequence 365, App
c 695	12	66.7	264374	4	US-09-949-016-13418	Sequence 13418, A	c 768	11	61.1	154	4	US-09-493-795B-389	Sequence 389, App
c 696	12	66.7	325034	4	US-09-949-016-15725	Sequence 15725, A	c 769	11	61.1	154	4	US-09-493-795B-393	Sequence 393, App
c 697	12	66.7	385034	4	US-09-949-016-14977	Sequence 14977, A	c 770	11	61.1	154	4	US-09-493-795B-401	Sequence 401, App
c 698	12	66.7	385035	4	US-09-949-016-15473	Sequence 15473, A	c 771	11	61.1	154	4	US-09-493-795B-403	Sequence 403, App
c 699	12	66.7	767677	4	US-09-949-016-12147	Sequence 12147, A	c 772	11	61.1	155	4	US-09-493-795B-279	Sequence 279, App
c 700	12	66.7	767677	4	US-09-949-016-17361	Sequence 17361, A	c 773	11	61.1	155	4	US-09-493-795B-281	Sequence 281, App
c 701	11	61.1	13	3	US-08-397-2208-97	Sequence 97, Appl	c 774	11	61.1	156	4	US-09-493-795B-381	Sequence 381, App
c 702	11	61.1	16	3	US-09-034-205-67	Sequence 67, Appl	c 775	11	61.1	157	4	US-09-493-795B-303	Sequence 303, App
c 703	11	61.1	16	3	US-09-034-205-68	Sequence 68, Appl	c 776	11	61.1	157	4	US-09-493-795B-305	Sequence 305, App
c 704	11	61.1	16	3	US-09-677-218B-67	Sequence 67, Appl	c 777	11	61.1	157	4	US-09-493-795B-329	Sequence 329, App
c 705	11	61.1	16	3	US-09-677-218B-68	Sequence 68, Appl	c 778	11	61.1	157	4	US-09-493-795B-331	Sequence 331, App
c 706	11	61.1	16	3	US-09-677-192-67	Sequence 67, Appl	c 779	11	61.1	157	4	US-09-493-795B-335	Sequence 335, App
c 707	11	61.1	16	3	US-09-677-192-68	Sequence 68, Appl	c 780	11	61.1	157	4	US-09-493-795B-335	Sequence 335, App
c 708	11	61.1	16	4	US-09-402-618B-67	Sequence 67, Appl	c 781	11	61.1	157	4	US-09-493-795B-341	Sequence 341, App
c 709	11	61.1	16	4	US-09-402-618B-68	Sequence 68, Appl	c 782	11	61.1	157	4	US-09-493-795B-361	Sequence 361, App
c 710	11	61.1	17	1	US-08-758-306-147	Sequence 147, App	c 783	11	61.1	157	4	US-09-493-795B-369	Sequence 369, App
c 711	11	61.1	17	1	US-08-758-306-721	Sequence 721, App	c 784	11	61.1	157	4	US-09-493-795B-379	Sequence 379, App
c 712	11	61.1	20	3	US-09-658-679A-45	Sequence 45, Appl	c 785	11	61.1	157	4	US-09-493-795B-383	Sequence 383, App
c 713	11	61.1	21	4	US-10-007-389-6	Sequence 6, Appl	c 786	11	61.1	157	4	US-09-493-795B-385	Sequence 385, App
c 714	11	61.1	21	4	US-09-396-196G-43901	Sequence 43901, A	c 787	11	61.1	157	4	US-09-493-795B-387	Sequence 387, App
c 715	11	61.1	25	4	US-09-396-196G-43902	Sequence 43902, A	c 788	11	61.1	160	4	US-09-493-795B-373	Sequence 373, App
c 716	11	61.1	25	4	US-09-396-196G-92277	Sequence 92277, A	c 789	11	61.1	161	4	US-09-493-795B-259	Sequence 259, App
c 717	11	61.1	25	4	US-09-396-196G-92278	Sequence 92278, A	c 790	11	61.1	161	4	US-09-493-795B-263	Sequence 263, App
c 718	11	61.1	25	4	US-09-396-196G-92279	Sequence 92279, A	c 791	11	61.1	161	4	US-09-493-795B-265	Sequence 265, App
c 719	11	61.1	27	4	US-09-493-353-11	Sequence 11, Appl	c 792	11	61.1	172	3	US-09-488-799-90	Sequence 90, Appl
c 720	11	61.1	31	4	US-09-574-779B-130	Sequence 130, Appl	c 793	11	61.1	192	4	US-09-513-999C-10093	Sequence 10093, A
c 721	11	61.1	36	3	US-08-814-052-45	Sequence 45, Appl	c 794	11	61.1	196	4	US-09-493-795B-271	Sequence 271, App
c 722	11	61.1	37	3	US-08-814-052-46	Sequence 46, Appl	c 795	11	61.1	201	3	US-09-488-799-30	Sequence 30, Appl
c 723	11	61.1	47	3	US-09-641-638-1021	Sequence 1021, Ap	c 796	11	61.1	205	4	US-09-493-795B-62	Sequence 62, Appl
c 724	11	61.1	47	4	US-10-170-097-1021	Sequence 1021, Ap	c 797	11	61.1	206	4	US-09-493-795B-80	Sequence 80, Appl
c 725	11	61.1	58	1	US-08-252-057-23	Sequence 23, Appl	c 798	11	61.1	207	4	US-09-493-795B-114	Sequence 114, App
c 726	11	61.1	58	1	US-08-184-751-23	Sequence 23, Appl	c 799	11	61.1	207	4	US-09-493-795B-116	Sequence 116, App
c 727	11	61.1	104	4	US-09-493-795B-78	Sequence 78, Appl	c 800	11	61.1	207	4	US-09-493-795B-124	Sequence 124, App
c 728	11	61.1	114	4	US-09-513-999C-18151	Sequence 18151, A	c 801	11	61.1	208	3	US-09-488-799-32	Sequence 32, Appl
c 729	11	61.1	126	4	US-09-493-795B-295	Sequence 295, App	c 802	11	61.1	208	3	US-09-488-799-36	Sequence 36, Appl
c 730	11	61.1	126	4	US-09-493-795B-363	Sequence 363, App	c 803	11	61.1	208	3	US-09-488-799-48	Sequence 48, Appl
c 731	11	61.1	136	4	US-09-493-795B-243	Sequence 243, App	c 804	11	61.1	208	3	US-09-488-799-50	Sequence 50, Appl
c 732	11	61.1	136	4	US-09-493-795B-249	Sequence 249, App	c 805	11	61.1	208	3	US-09-488-799-52	Sequence 52, Appl
c 733	11	61.1	136	4	US-09-493-795B-251	Sequence 251, App	c 806	11	61.1	208	3	US-09-488-799-56	Sequence 56, Appl
c 734	11	61.1	139	4	US-09-493-795B-273	Sequence 273, App	c 807	11	61.1	208	3	US-09-488-799-58	Sequence 58, Appl
c 735	11	61.1	142	3	US-09-488-799-70	Sequence 70, Appl	c 808	11	61.1	208	3	US-09-488-799-62	Sequence 62, Appl
c 736	11	61.1	142	3	US-09-488-799-72	Sequence 72, Appl	c 809	11	61.1	208	3	US-09-488-799-74	Sequence 74, Appl
c 737	11	61.1	142	3	US-09-488-799-76	Sequence 76, Appl	c 810	11	61.1	208	4	US-09-493-795B-60	Sequence 60, Appl
c 738	11	61.1	142	3	US-09-488-799-78	Sequence 78, Appl	c 811	11	61.1	208	4	US-09-493-795B-100	Sequence 100, App
c 739	11	61.1	142	3	US-09-488-799-80	Sequence 80, Appl	c 812	11	61.1	208	4	US-09-493-795B-132	Sequence 132, App
c 740	11	61.1	142	3	US-09-488-799-82	Sequence 82, Appl	c 813	11	61.1	208	4	US-09-493-795B-138	Sequence 138, App
c 741	11	61.1	142	4	US-09-493-795B-257	Sequence 257, App	c 814	11	61.1	208	4	US-09-493-795B-144	Sequence 144, App
c 742	11	61.1	142	4	US-09-493-795B-327	Sequence 327, App	c 815	11	61.1	208	4	US-09-493-795B-357	Sequence 357, App
c 743	11	61.1	142	4	US-09-493-795B-367	Sequence 367, App	c 816	11	61.1	210	4	US-09-493-795B-118	Sequence 118, App
c 744	11	61.1	145	4	US-09-493-795B-237	Sequence 237, App	c 817	11	61.1	210	4	US-09-493-795B-120	Sequence 120, App
c 745	11	61.1	145	4	US-09-493-795B-241	Sequence 241, App	c 818	11	61.1	211	4	US-09-493-795B-94	Sequence 94, Appl
c 746	11	61.1	145	4	US-09-493-795B-245	Sequence 245, App	c 819	11	61.1	211	4	US-09-493-795B-140	Sequence 140, App
c 747	11	61.1	145	4	US-09-493-795B-249	Sequence 249, App	c 820	11	61.1	211	4	US-09-493-795B-146	Sequence 146, App
c 748	11	61.1	145	4	US-09-493-795B-293	Sequence 293, App	c 821	11	61.1	212	4	US-09-493-795B-148	Sequence 148, App
c 749	11	61.1	145	4	US-09-493-795B-347	Sequence 347, App	c 822	11	61.1	213	3	US-09-488-799-60	Sequence 60, Appl
c 750	11	61.1	145	4	US-09-493-795B-391	Sequence 391, App	c 823	11	61.1	213	4	US-09-493-795B-122	Sequence 122, App
c 751	11	61.1	146	4	US-09-513-999C-20631	Sequence 20631, A	c 824	11	61.1	213	4	US-09-493-795B-126	Sequence 126, App
c 752	11	61.1	148	3	US-09-488-799-84	Sequence 84, Appl	c 825	11	61.1	214	3	US-09-488-799-38	Sequence 38, Appl
c 753	11	61.1	148	4	US-09-493-795B-253	Sequence 253, App	c 826	11	61.1	214	4	US-09-493-795B-142	Sequence 142, App
c 754	11	61.1	148	4	US-09-493-795B-299	Sequence 299, App	c 827	11	61.1	217	4	US-09-493-795B-86	Sequence 86, Appl
c 755	11	61.1	151	4	US-09-493-795B-293	Sequence 293, App	c 828	11	61.1	217	4	US-09-493-795B-88	Sequence 88, Appl
c 756	11	61.1	151	4	US-09-493-795B-301	Sequence 301, App	c 829	11	61.1	217	4	US-09-493-795B-355	Sequence 355, App
c 757	11	61.1	151	4	US-09-493-795B-309	Sequence 309, App	c 830	11	61.1	217	4	US-09-493-795B-359	Sequence 359, App

C 831	11	61.1	218	4	US-09-493-795B-74	Sequence 74, Appl	904	11	61.1	441	4	US-09-513-999C-8781	Sequence 8781, Ap
C 832	11	61.1	219	4	US-09-493-795B-84	Sequence 84, Appl	905	11	61.1	442	4	US-09-513-999C-321	Sequence 321, Ap
C 833	11	61.1	219	4	US-09-493-795B-84	Sequence 102, Appl	906	11	61.1	444	3	US-08-485-942A-96	Sequence 96, Appl
C 834	11	61.1	220	3	US-09-488-799-92	Sequence 92, Appl	907	11	61.1	454	3	US-08-488-214A-96	Sequence 96, Appl
C 835	11	61.1	220	3	US-09-488-799-96	Sequence 96, Appl	908	11	61.1	454	3	US-08-488-208A-96	Sequence 96, Appl
C 836	11	61.1	220	3	US-09-488-799-98	Sequence 98, Appl	909	11	61.1	454	3	US-08-483-211A-96	Sequence 96, Appl
C 837	11	61.1	220	4	US-09-493-795B-130	Sequence 130, Appl	910	11	61.1	454	3	US-08-488-223A-96	Sequence 96, Appl
C 838	11	61.1	220	4	US-09-493-795B-136	Sequence 136, Appl	911	11	61.1	454	3	US-08-438-431A-96	Sequence 96, Appl
C 839	11	61.1	220	4	US-09-493-795B-152	Sequence 152, Appl	912	11	61.1	454	3	US-08-488-225A-96	Sequence 96, Appl
C 840	11	61.1	220	4	US-09-493-795B-289	Sequence 289, Appl	913	11	61.1	456	4	US-09-640-211A-1894	Sequence 1894, Ap
C 841	11	61.1	221	3	US-09-488-799-40	Sequence 40, Appl	914	11	61.1	456	4	US-09-640-211A-1895	Sequence 1895, Ap
C 842	11	61.1	222	4	US-09-248-796A-6827	Sequence 6827, Ap	C 915	11	61.1	457	4	US-09-621-976-1454	Sequence 1454, Ap
C 843	11	61.1	223	4	US-09-493-795B-64	Sequence 64, Appl	C 916	11	61.1	458	4	US-09-621-976-1989	Sequence 1989, Ap
C 844	11	61.1	223	4	US-09-493-795B-68	Sequence 68, Appl	917	11	61.1	459	4	US-09-640-211A-1857	Sequence 1857, Ap
C 845	11	61.1	223	4	US-09-493-795B-76	Sequence 76, Appl	918	11	61.1	467	4	US-09-270-767-856	Sequence 856, App
C 846	11	61.1	223	4	US-09-493-795B-72	Sequence 72, Appl	919	11	61.1	467	4	US-09-270-767-16138	Sequence 16138, A
C 847	11	61.1	223	4	US-09-493-795B-134	Sequence 134, Appl	C 920	11	61.1	474	4	US-09-621-976-18640	Sequence 18640, A
C 848	11	61.1	223	4	US-09-493-795B-231	Sequence 231, Appl	C 921	11	61.1	475	3	US-09-188-930-2	Sequence 2, Appl1
C 849	11	61.1	226	3	US-09-488-799-86	Sequence 86, Appl	C 922	11	61.1	475	4	US-09-312-283C-2	Sequence 2, Appl1
C 850	11	61.1	226	3	US-09-488-799-88	Sequence 88, Appl	C 923	11	61.1	477	4	US-09-252-991A-8503	Sequence 8503, Ap
C 851	11	61.1	226	3	US-09-488-799-94	Sequence 94, Appl	924	11	61.1	480	3	US-08-814-052-16	Sequence 16, Appl
C 852	11	61.1	226	4	US-09-493-795B-90	Sequence 90, Appl	925	11	61.1	480	3	US-09-461-697-47	Sequence 47, Appl
C 853	11	61.1	226	4	US-09-493-795B-92	Sequence 92, Appl	C 926	11	61.1	487	4	US-09-270-767-30314	Sequence 30314, A
C 854	11	61.1	227	4	US-09-493-795B-58	Sequence 58, Appl	927	11	61.1	491	3	US-08-485-942A-94	Sequence 94, Appl
C 855	11	61.1	227	4	US-09-493-795B-76	Sequence 76, Appl	928	11	61.1	491	3	US-08-488-214A-94	Sequence 94, Appl
C 856	11	61.1	248	4	US-09-493-795B-104	Sequence 104, Appl	929	11	61.1	491	3	US-08-483-211A-94	Sequence 94, Appl
C 857	11	61.1	248	4	US-09-493-795B-112	Sequence 112, Appl	930	11	61.1	491	3	US-08-483-211A-94	Sequence 94, Appl
C 858	11	61.1	262	4	US-09-513-999C-32006	Sequence 32006, A	931	11	61.1	491	3	US-08-488-223A-94	Sequence 94, Appl
C 859	11	61.1	262	4	US-09-513-999C-34997	Sequence 34997, A	932	11	61.1	491	3	US-08-438-431A-94	Sequence 94, Appl
C 860	11	61.1	282	3	US-08-866-340-20	Sequence 20, Appl	C 933	11	61.1	491	3	US-08-488-225A-94	Sequence 94, Appl
C 861	11	61.1	282	3	US-09-103-875-26	Sequence 26, Appl	C 934	11	61.1	498	3	US-09-195-106-8	Sequence 8, Appl1
C 862	11	61.1	285	4	US-09-016-434-361	Sequence 361, Appl	935	11	61.1	502	4	US-09-621-976-2291	Sequence 2291, Ap
C 863	11	61.1	302	4	US-09-513-999C-3436	Sequence 3436, Ap	C 936	11	61.1	504	3	US-09-889-595-9	Sequence 9, Appl1
C 864	11	61.1	302	4	US-09-902-540-9391	Sequence 9391, Ap	C 937	11	61.1	504	4	US-09-899-595-9	Sequence 9, Appl1
C 865	11	61.1	303	3	US-09-461-697-61	Sequence 61, Appl	938	11	61.1	511	4	US-09-621-976-9546	Sequence 9546, Ap
C 866	11	61.1	312	3	US-09-240-274-118	Sequence 118, Appl	C 939	11	61.1	513	1	US-08-031-143B-70	Sequence 70, Appl
C 867	11	61.1	314	4	US-09-313-294A-6075	Sequence 6075, Ap	C 940	11	61.1	518	4	US-09-903-540-1541	Sequence 1541, Ap
C 868	11	61.1	315	4	US-09-252-991A-16252	Sequence 16252, A	941	11	61.1	519	4	US-09-270-767-2671	Sequence 2671, Ap
C 869	11	61.1	318	3	US-09-240-274-116	Sequence 116, Appl	942	11	61.1	519	4	US-09-270-767-17953	Sequence 17953, A
C 870	11	61.1	318	3	US-09-240-274-117	Sequence 117, Appl	C 943	11	61.1	523	4	US-09-621-976-3553	Sequence 3553, Ap
C 871	11	61.1	318	3	US-09-240-274-119	Sequence 119, Appl	C 944	11	61.1	524	4	US-09-270-767-7097	Sequence 7097, Ap
C 872	11	61.1	319	4	US-09-513-999C-14106	Sequence 14106, A	C 945	11	61.1	524	4	US-09-270-767-22379	Sequence 22379, A
C 873	11	61.1	327	4	US-09-513-999C-30821	Sequence 30821, A	946	11	61.1	525	4	US-09-464-535-19	Sequence 19, Appl
C 874	11	61.1	331	4	US-09-451-651-27	Sequence 27, Appl	947	11	61.1	535	4	US-09-636-215-596	Sequence 596, App
C 875	11	61.1	334	4	US-09-621-976-7963	Sequence 7963, Ap	948	11	61.1	535	4	US-09-685-166A-596	Sequence 596, App
C 876	11	61.1	336	4	US-09-513-999C-3421	Sequence 3421, Ap	949	11	61.1	535	4	US-09-679-426-596	Sequence 596, App
C 877	11	61.1	336	4	US-09-902-540-8592	Sequence 8592, Ap	950	11	61.1	535	4	US-09-759-143-596	Sequence 596, App
C 878	11	61.1	343	4	US-09-513-999C-35102	Sequence 35102, A	951	11	61.1	535	4	US-09-651-236-596	Sequence 596, App
C 879	11	61.1	345	4	US-09-573-080A-316	Sequence 316, Appl	952	11	61.1	537	4	US-09-621-976-3109	Sequence 3109, Ap
C 880	11	61.1	348	3	US-09-370-838-88	Sequence 88, Appl	953	11	61.1	539	1	US-08-229-515A-11	Sequence 11, Appl
C 881	11	61.1	363	4	US-09-252-991A-8832	Sequence 8832, Ap	954	11	61.1	539	1	US-08-643-865-11	Sequence 11, Appl
C 882	11	61.1	365	4	US-09-513-999C-28046	Sequence 28046, A	955	11	61.1	539	5	PCT-US93-06251-8	Sequence 8, Appl1
C 883	11	61.1	367	3	US-08-905-223-180	Sequence 180, App	956	11	61.1	545	4	US-09-471-276-781	Sequence 781, App
C 884	11	61.1	383	4	US-09-513-999C-35117	Sequence 35117, A	957	11	61.1	545	4	US-09-640-211A-2056	Sequence 2056, Ap
C 885	11	61.1	387	3	US-09-370-838-88	Sequence 88, Appl	958	11	61.1	548	4	US-09-621-976-3559	Sequence 3559, Ap
C 886	11	61.1	387	4	US-09-854-133-88	Sequence 88, Appl	959	11	61.1	551	4	US-09-621-976-14602	Sequence 14602, A
C 887	11	61.1	396	4	US-09-640-173-36	Sequence 36, Appl	960	11	61.1	573	2	US-08-290-665A-116	Sequence 116, App
C 888	11	61.1	396	4	US-09-713-550-36	Sequence 36, Appl	961	11	61.1	573	2	US-08-290-665A-117	Sequence 117, App
C 889	11	61.1	396	4	US-09-825-294-36	Sequence 36, Appl	962	11	61.1	573	2	US-08-290-665A-118	Sequence 118, App
C 890	11	61.1	396	4	US-09-970-966-36	Sequence 36, Appl	963	11	61.1	573	2	US-08-290-665A-126	Sequence 126, App
C 891	11	61.1	398	1	US-08-118-101A-5	Sequence 5, Appl1	964	11	61.1	573	5	PCT-US95-10398-116	Sequence 116, App
C 892	11	61.1	399	3	US-09-461-697-53	Sequence 53, Appl	965	11	61.1	573	5	PCT-US95-10398-117	Sequence 117, App
C 893	11	61.1	407	4	US-09-621-976-18088	Sequence 18088, A	966	11	61.1	573	5	PCT-US95-10398-118	Sequence 118, App
C 894	11	61.1	413	4	US-09-513-999C-10717	Sequence 10717, A	967	11	61.1	573	5	PCT-US95-10398-126	Sequence 126, App
C 895	11	61.1	416	4	US-09-621-976-136	Sequence 136, Appl	968	11	61.1	579	3	US-08-836-075A-15	Sequence 15, Appl
C 896	11	61.1	420	3	US-09-461-697-51	Sequence 51, Appl	969	11	61.1	579	4	US-09-673-429-2	Sequence 2, Appl1
C 897	11	61.1	428	3	US-09-397-787-228	Sequence 228, Appl	C 970	11	61.1	601	4	US-09-949-016-18129	Sequence 18129, A
C 898	11	61.1	433	4	US-09-327-138C-11	Sequence 11, Appl	971	11	61.1	601	4	US-09-949-016-18381	Sequence 18381, A
C 899	11	61.1	433	4	US-09-327-138C-39	Sequence 39, Appl	C 972	11	61.1	601	4	US-09-949-016-19336	Sequence 19336, A
C 900	11	61.1	436	3	US-09-679-185-1	Sequence 1, Appl1	C 973	11	61.1	601	4	US-09-949-016-19963	Sequence 19963, A
C 901	11	61.1	436	3	US-09-679-185-3	Sequence 3, Appl1	C 974	11	61.1	601	4	US-09-949-016-19964	Sequence 19964, A
C 902	11	61.1	437	4	US-09-621-976-1458	Sequence 1458, Ap	975	11	61.1	601	4	US-09-949-016-20680	Sequence 20680, A
C 903	11	61.1	438	4	US-09-621-976-9376	Sequence 9376, Ap	976	11	61.1	601	4	US-09-949-016-20681	Sequence 20681, A

```
c 977 11 61.1 601 4 US-09-949-016-21112 Sequence 21112, A
c 978 11 61.1 601 4 US-09-949-016-21113 Sequence 21113, A
c 979 11 61.1 601 4 US-09-949-016-21114 Sequence 21114, A
c 980 11 61.1 601 4 US-09-949-016-21194 Sequence 21194, A
c 981 11 61.1 601 4 US-09-949-016-21195 Sequence 21195, A
c 982 11 61.1 601 4 US-09-949-016-21196 Sequence 21196, A
c 983 11 61.1 601 4 US-09-949-016-21197 Sequence 21197, A
c 984 11 61.1 601 4 US-09-949-016-22265 Sequence 22265, A
c 985 11 61.1 601 4 US-09-949-016-22919 Sequence 22919, A
c 986 11 61.1 601 4 US-09-949-016-22920 Sequence 22920, A
c 987 11 61.1 601 4 US-09-949-016-22921 Sequence 22921, A
c 988 11 61.1 601 4 US-09-949-016-23001 Sequence 23001, A
c 989 11 61.1 601 4 US-09-949-016-23130 Sequence 23130, A
c 990 11 61.1 601 4 US-09-949-016-23131 Sequence 23131, A
c 991 11 61.1 601 4 US-09-949-016-23132 Sequence 23132, A
c 992 11 61.1 601 4 US-09-949-016-24638 Sequence 24638, A
c 993 11 61.1 601 4 US-09-949-016-26121 Sequence 26121, A
c 994 11 61.1 601 4 US-09-949-016-26267 Sequence 26267, A
c 995 11 61.1 601 4 US-09-949-016-27307 Sequence 27307, A
c 996 11 61.1 601 4 US-09-949-016-27476 Sequence 27476, A
c 997 11 61.1 601 4 US-09-949-016-27859 Sequence 27859, A
c 998 11 61.1 601 4 US-09-949-016-29148 Sequence 29148, A
c 999 11 61.1 601 4 US-09-949-016-29149 Sequence 29149, A
1000 11 61.1 601 4 US-09-949-016-32534 Sequence 32534, A
```

ALIGNMENTS

```
RESULT 1
US-09-949-016-16910/c
; Sequence 16910, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16910
; LENGTH: 59479
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(59479)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-16910
```

```
Query Match 72.2%; Score 13; DB 4; Length 59479;
Best Local Similarity 92.3%; Pred. No. 1.2e+02;
Matches 12; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 6 CCUGAGNNNNNN 18
Db 11936 CTGGAGNNNNNN 11924
```

```
RESULT 2
US-09-647-344A-43/c
; Sequence 43, Application US/09647344A
; Patent No. 6586180
; GENERAL INFORMATION:
; APPLICANT: Ruffner, Duane E.
```

```
; APPLICANT: Pierce, Michael L.
; APPLICANT: Chen, Zhidong
; TITLE OF INVENTION: Directed Antisense Libraries
; FILE REFERENCE: T6678.PCT.US
; CURRENT APPLICATION NUMBER: US/09/647,344A
; CURRENT FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: PCT/US99/06742
; PRIOR FILING DATE: 1999-03-28
; NUMBER OF SEQ ID NOS: 50
; SEQ ID NO 43
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1..6
; OTHER INFORMATION: A portion of an antisense library including a BpmI site.
US-09-647-344A-43
```

```
Query Match 66.7%; Score 12; DB 4; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.6e+02;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 7 CUGGAGNNNNN 18
Db 12 CTGGAGNNNNN 1
```

```
RESULT 3
US-08-650-093C-97/c
; Sequence 97, Application US/08650093C
; Patent No. 6391542
; GENERAL INFORMATION:
; APPLICANT: Kevin P. Anderson et al.
; TITLE OF INVENTION: Compositions And Methods For Treatment Of
; Hepatitis C Virus-Associated Diseases
; NUMBER OF SEQUENCES: 118
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LICATA & TYRRELL P.C.
; STREET: 66 E. Main Street
; CITY: Marlton
; STATE: NJ
; COUNTRY: USA
; ZIP: 08053
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
; OPERATING SYSTEM: Windows 95
; SOFTWARE: WORDPERFECT 6.1 for Windows
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/650,093C
; FILING DATE: 17-May-1996
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/452,841
; FILING DATE: May 30, 1995
; APPLICATION NUMBER: 08/397,220
; FILING DATE: March 9, 1995
; APPLICATION NUMBER: 07/945,289
; FILING DATE: September 10, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane Massey Licata
; REGISTRATION NUMBER: 32,257
; REFERENCE/DOCKET NUMBER: ISPH-
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (609) 779-2400
; TELEFAX: (609) 779-8488
; INFORMATION FOR SEQ ID NO: 97:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
```

```
; ANTI-SENSE: NO
; SEQUENCE DESCRIPTION: SEQ ID NO: 97:
US-08-650-093C-97

Query Match          66.7%; Score 12; DB 3; Length 14;
Best Local Similarity 83.3%; Pred. No. 9.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
   |||:|:|:|
Db 14 GGGTCTCGGAG 3

RESULT 4
US-08-954-210-39
; Sequence 39, Application US/08954210
; Patent No. 6043077
; GENERAL INFORMATION:
; APPLICANT: Barber, Jack R.
; APPLICANT: Welch, Peter J.
; APPLICANT: Tritz, Richard
; APPLICANT: Yei, Soonpin
; APPLICANT: Yu, Mang
; TITLE OF INVENTION: HEPATITIS C VIRUS RIBOZYMES
; NUMBER OF SEQUENCES: 73
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED AND BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/954,210
; FILING DATE: 20-OCT-1997
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: McMasters, David D.
; REGISTRATION NUMBER: 33,963
; REFERENCE/DOCKET NUMBER: 480124.403C1
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-954-210-39

Query Match          66.7%; Score 12; DB 3; Length 16;
Best Local Similarity 100.0%; Pred. No. 9.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
   |||:|:|:|
Db 3 GGGGUCCUGGAG 14

RESULT 5
US-09-431-419A-39
; Sequence 39, Application US/09431419A
; Patent No. 6458567
; GENERAL INFORMATION:
; APPLICANT: Barber, Jack R.
; APPLICANT: Welch, Peter J.
; APPLICANT: Tritz, Richard
```

```
; APPLICANT: Yei, Soonpin
; APPLICANT: Yu, Mang
; TITLE OF INVENTION: HEPATITIS C VIRUS RIBOZYMES
; FILE REFERENCE: 480124.403C3
; CURRENT APPLICATION NUMBER: US/09/431,419A
; CURRENT FILING DATE: 1999-11-01
; NUMBER OF SEQ ID NOS: 73
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 39
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Hepatitis C Virus
US-09-431-419A-39

Query Match          66.7%; Score 12; DB 3; Length 16;
Best Local Similarity 100.0%; Pred. No. 9.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
   |||:|:|:|
Db 3 GGGGUCCUGGAG 14

RESULT 6
US-09-782-361-14
; Sequence 14, Application US/09782361
; Patent No. 6811974
; GENERAL INFORMATION:
; APPLICANT: Hu, Yu-Wen
; TITLE OF INVENTION: PRIMER-SPECIFIC AND MISPAIR EXTENSION ASSAY FOR IDENTIFYING GEN
; FILE REFERENCE: 2883-4757US
; CURRENT APPLICATION NUMBER: US/09/782,361
; CURRENT FILING DATE: 2001-02-13
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 14
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: primer for PSMEA
US-09-782-361-14

Query Match          66.7%; Score 12; DB 4; Length 19;
Best Local Similarity 83.3%; Pred. No. 9.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
   |||:|:|:|
Db 2 GGGTCTCTGGAG 13

RESULT 7
US-08-483-695-22/c
; Sequence 22, Application US/08483695
; Patent No. 5866139
; GENERAL INFORMATION:
; APPLICANT: Brechot, Christian
; APPLICANT: Kreamsdorf, Dina
; APPLICANT: Porchon, Colette
; TITLE OF INVENTION: Nucleotide and Peptide Sequences of a
; TITLE OF INVENTION: Hepatitis C Virus Isolate, Diagnostic and Therapeutic
; NUMBER OF SEQUENCES: 46
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3315
```

```
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA: US/08/483,695
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/965,285
; FILING DATE: 18-MAR-1993
; FILING DATE: 06-JUN-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 05286-0001-00000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Other
; DESCRIPTION: DNA probe
; US-08-483-695-22

Query Match 66.7%; Score 12; DB 2; Length 20;
Best Local Similarity 83.3%; Pred. No. 9.1e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 19 GGGGTCCTGGAG 8

RESULT 8
US-07-965-285-22/c
; Sequence 22, Application US/07965285
; Patent No. 5879904
; GENERAL INFORMATION:
; APPLICANT: Brechot, Christian
; APPLICANT: Kremsdorf, Dina
; APPLICANT: Porchon, Colette
; TITLE OF INVENTION: Nucleotide and Peptide Sequences of a
; TITLE OF INVENTION: Hepatitis C Virus Isolate, Diagnostic and Therapeutic
; NUMBER OF SEQUENCES: 46
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE: 07-JUNE-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/965,285
; FILING DATE: 18-MAR-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: FR 91 06 882
; FILING DATE: 06-JUN-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 05286-0001-02000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; US-08-483-695-22

Query Match 66.7%; Score 12; DB 2; Length 20;
Best Local Similarity 83.3%; Pred. No. 9.1e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 19 GGGGTCCTGGAG 8

RESULT 9
US-08-487-231-22/c
; Sequence 22, Application US/08487231
; Patent No. 5919454
; GENERAL INFORMATION:
; APPLICANT: Brechot, Christian
; APPLICANT: Kremsdorf, Dina
; APPLICANT: Porchon, Colette
; TITLE OF INVENTION: Nucleotide and Peptide Sequences of a
; TITLE OF INVENTION: Hepatitis C Virus Isolate, Diagnostic and Therapeutic
; NUMBER OF SEQUENCES: 46
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE: 07-JUNE-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/965,285
; FILING DATE: 18-MAR-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: FR 91 06 882
; FILING DATE: 06-JUN-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 05286-0001-02000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; US-08-487-231-22/c
```

; TOPOLOGY: linear
; MOLECULE TYPE: Other
; DESCRIPTION: DNA probe
US-08-487-231-22

Query Match 66.7%; Score 12; DB 2; Length 20;
Best Local Similarity 83.3%; Pred. No. 9.1e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 19 GGGGTCCTGGAG 8
||||:|||||

RESULT 10
US-09-201-912-22/c
; Sequence 22, Application US/09201912
; Patent No. 6210962
; GENERAL INFORMATION:
; APPLICANT: Brechot, Christian
; APPLICANT: Kresdorf, Dina
; APPLICANT: Porchon, Colette
; TITLE OF INVENTION: Nucleoside and Peptide Sequences of a
; TITLE OF INVENTION: Hepatitis C Virus Isolate, Diagnostic and Therapeutic
; TITLE OF INVENTION: Applications
; NUMBER OF SEQUENCES: 46
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/201,912
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/965,285
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 05286-0001-00000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Other
; DESCRIPTION: DNA probe
US-09-201-912-22

Query Match 66.7%; Score 12; DB 3; Length 20;
Best Local Similarity 83.3%; Pred. No. 9.1e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 19 GGGGTCCTGGAG 8
||||:|||||

RESULT 11

US-08-397-220B-38
; Sequence 38, Application US/08397220B
; Patent No. 6284458
; GENERAL INFORMATION:
; APPLICANT: Anderson et al.
; TITLE OF INVENTION: Compositions And Methods For Treatment
; TITLE OF INVENTION: Of Hepatitis C Virus-Associated Diseases
; NUMBER OF SEQUENCES: 98
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Jane Massey Licata, Esq.
; STREET: 210 Lake Drive East, Suite 201
; CITY: Cherry Hill
; STATE: NJ
; COUNTRY: USA
; ZIP: 08002
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
; COMPUTER: IBM 486
; OPERATING SYSTEM: WINDOWS FOR WORKGROUPS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/397,220B
; FILING DATE: 09-Mar-1995
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/JP93/01293
; FILING DATE: 10-Sep-93
; APPLICATION NUMBER: JP 5-87195
; FILING DATE: 14-Apr-93
; APPLICATION NUMBER: 07/945,289
; FILING DATE: 10-Sep-92
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane Massey Licata
; REGISTRATION NUMBER: 32,257
; REFERENCE/DOCKET NUMBER: ISPH-0031
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (609) 779-2400
; TELEFAX: (609) 779-8488
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20
; TYPE: nucleic acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: Yes
; SEQUENCE DESCRIPTION: SEQ ID NO: 38:
US-08-397-220B-38

Query Match 66.7%; Score 12; DB 3; Length 20;
Best Local Similarity 83.3%; Pred. No. 9.1e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 1 GGGGTCCTGGAG 12
||||:|||||

RESULT 12
US-08-397-220B-39
; Sequence 39, Application US/08397220B
; Patent No. 6284458
; GENERAL INFORMATION:
; APPLICANT: Anderson et al.
; TITLE OF INVENTION: Compositions And Methods For Treatment
; TITLE OF INVENTION: Of Hepatitis C Virus-Associated Diseases
; NUMBER OF SEQUENCES: 98
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Jane Massey Licata, Esq.
; STREET: 210 Lake Drive East, Suite 201
; CITY: Cherry Hill
; STATE: NJ
; COUNTRY: USA
; ZIP: 08002

```
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
; COMPUTER: IBM 486
; OPERATING SYSTEM: WINDOWS FOR WORKGROUPS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/397,220B
; FILING DATE: 09-Mar-1995
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/JP93/01293
; FILING DATE: 10-Sep-93
; APPLICATION NUMBER: JP 5-87195
; FILING DATE: 14-Apr-93
; APPLICATION NUMBER: 07/945,289
; FILING DATE: 10-Sep-92
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane Massey Licata
; REGISTRATION NUMBER: 32,257
; REFERENCE/DOCKET NUMBER: ISPH-0031
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (609) 779-2400
; TELEFAX: (609) 779-8488
; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20
; TYPE: nucleic acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: Yes
; SEQUENCE DESCRIPTION: SEQ ID NO: 39:
US-08-397-220B-39
Query Match 66.7%; Score 12; DB 3; Length 20;
Best Local Similarity 83.3%; Pred. No. 9.1e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
   ||||:||||
Db 3 GGGGTCTCTGGAG 14

RESULT 13
US-08-397-220B-40
; Sequence 40, Application US/08397220B
; Patent No. 6284458
; GENERAL INFORMATION:
; APPLICANT: Anderson et al.
; TITLE OF INVENTION: Compositions And Methods For Treatment
; Of Hepatitis C Virus-Associated Diseases
; NUMBER OF SEQUENCES: 98
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Jane Massey Licata, Esq.
; STREET: 210 Lake Drive East, Suite 201
; CITY: Cherry Hill
; STATE: NJ
; COUNTRY: USA
; ZIP: 08002
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
; COMPUTER: IBM 486
; OPERATING SYSTEM: WINDOWS FOR WORKGROUPS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/397,220B
; FILING DATE: 09-Mar-1995
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/JP93/01293
; FILING DATE: 10-Sep-93
; APPLICATION NUMBER: JP 5-87195
; FILING DATE: 14-Apr-93
; APPLICATION NUMBER: 07/945,289
```

```
;
; FILING DATE: 10-Sep-92
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane Massey Licata
; REGISTRATION NUMBER: 32,257
; REFERENCE/DOCKET NUMBER: ISPH-0031
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (609) 779-2400
; TELEFAX: (609) 779-8488
; INFORMATION FOR SEQ ID NO: 40:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20
; TYPE: nucleic acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: Yes
; SEQUENCE DESCRIPTION: SEQ ID NO: 40:
US-08-397-220B-40
Query Match 66.7%; Score 12; DB 3; Length 20;
Best Local Similarity 83.3%; Pred. No. 9.1e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
   ||||:||||
Db 5 GGGGTCTCTGGAG 16

RESULT 14
US-08-397-220B-41
; Sequence 41, Application US/08397220B
; Patent No. 6284458
; GENERAL INFORMATION:
; APPLICANT: Anderson et al.
; TITLE OF INVENTION: Compositions And Methods For Treatment
; Of Hepatitis C Virus-Associated Diseases
; NUMBER OF SEQUENCES: 98
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Jane Massey Licata, Esq.
; STREET: 210 Lake Drive East, Suite 201
; CITY: Cherry Hill
; STATE: NJ
; COUNTRY: USA
; ZIP: 08002
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
; COMPUTER: IBM 486
; OPERATING SYSTEM: WINDOWS FOR WORKGROUPS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/397,220B
; FILING DATE: 09-Mar-1995
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/JP93/01293
; FILING DATE: 10-Sep-93
; APPLICATION NUMBER: JP 5-87195
; FILING DATE: 14-Apr-93
; APPLICATION NUMBER: 07/945,289
; FILING DATE: 10-Sep-92
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane Massey Licata
; REGISTRATION NUMBER: 32,257
; REFERENCE/DOCKET NUMBER: ISPH-0031
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (609) 779-2400
; TELEFAX: (609) 779-8488
; INFORMATION FOR SEQ ID NO: 41:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20
; TYPE: nucleic acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: Yes
```


SEQUENCE DESCRIPTION: SEQ ID NO: 41:
US-08-397-220B-41

Query Match 66.7%; Score 12; DB 3; Length 20;
Best Local Similarity 83.3%; Pred. No. 9.1e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
||||:|||||
Db 7 GGGGTCCTGGAG 18

RESULT 15

US-08-397-220B-44
; Sequence 44, Application US/08397220B
; Patent No. 6284458

GENERAL INFORMATION:

APPLICANT: Anderson et al.
TITLE OF INVENTION: Compositions And Methods For Treatment
Of Hepatitis C Virus-Associated Diseases

NUMBER OF SEQUENCES: 98

CORRESPONDENCE ADDRESS:

ADDRESSEE: Jane Massey Licata, Esq.
STREET: 210 Lake Drive East, Suite 201
CITY: Cherry Hill
STATE: NJ
COUNTRY: USA
ZIP: 08002

COMPUTER READABLE FORM:

MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
COMPUTER: IBM 486
OPERATING SYSTEM: WINDOWS FOR WORKGROUPS
SOFTWARE: WORDPERFECT 5.1

CURRENT APPLICATION DATA: US/08/397,220B

APPLICATION NUMBER: US/08/397,220B

FILING DATE: 09-Mar-1995

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/JP93/01293

FILING DATE: 10-Sep-93

APPLICATION NUMBER: JP 5-87195

FILING DATE: 14-Apr-93

APPLICATION NUMBER: 07/945,289

FILING DATE: 10-Sep-92

ATTORNEY/AGENT INFORMATION:

NAME: Jane Massey Licata

REGISTRATION NUMBER: 32,257

REFERENCE/DOCKET NUMBER: ISPH-0031

TELECOMMUNICATION INFORMATION:

TELEPHONE: (609) 779-2400

TELEFAX: (609) 779-8488

INFORMATION FOR SEQ ID NO: 44:

SEQUENCE CHARACTERISTICS:

LENGTH: 20

TYPE: nucleic acid

STRANDEDNESS: Single

TOPOLOGY: Linear

ANTI-SENSE: Yes

SEQUENCE DESCRIPTION: SEQ ID NO: 44:

US-08-397-220B-44

Query Match 66.7%; Score 12; DB 3; Length 20;
Best Local Similarity 83.3%; Pred. No. 9.1e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
||||:|||||
Db 9 GGGGTCCTGGAG 20

RESULT 16

US-08-650-093C-38
; Sequence 38, Application US/08650093C

Patent No. 6391542
GENERAL INFORMATION:

APPLICANT: Kevin P. Anderson et al.

TITLE OF INVENTION: Compositions And Methods For Treatment Of
Hepatitis C Virus-Associated Diseases

NUMBER OF SEQUENCES: 118

CORRESPONDENCE ADDRESS:

ADDRESSEE: LICATA & TYRRELL P.C.
STREET: 66 E. Main Street
CITY: Marlton
STATE: NJ
COUNTRY: USA
ZIP: 08053

COMPUTER READABLE FORM:

MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows 95
SOFTWARE: WORDPERFECT 6.1 for Windows
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/650,093C

FILING DATE: 17-May-1996

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/452,841

FILING DATE: May 30, 1995

APPLICATION NUMBER: 08/397,220

FILING DATE: March 9, 1995

APPLICATION NUMBER: 07/945,289

FILING DATE: September 10, 1992

ATTORNEY/AGENT INFORMATION:

NAME: Jane Massey Licata

REGISTRATION NUMBER: 32,257

REFERENCE/DOCKET NUMBER: ISPH-

TELECOMMUNICATION INFORMATION:

TELEPHONE: (609) 779-2400

TELEFAX: (609) 779-8488

INFORMATION FOR SEQ ID NO: 38:

SEQUENCE CHARACTERISTICS:

LENGTH: 20

TYPE: Nucleic Acid

STRANDEDNESS: Single

TOPOLOGY: Linear

ANTI-SENSE: Yes

SEQUENCE DESCRIPTION: SEQ ID NO: 38:

US-08-650-093C-38

Query Match 66.7%; Score 12; DB 3; Length 20;

Best Local Similarity 83.3%; Pred. No. 9.1e+02;

Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12

Db 1 GGGGTCCTGGAG 12

RESULT 17

US-08-650-093C-39

; Sequence 39, Application US/08650093C

; Patent No. 6391542

GENERAL INFORMATION:

APPLICANT: Kevin P. Anderson et al.

TITLE OF INVENTION: Compositions And Methods For Treatment Of

Hepatitis C Virus-Associated Diseases

NUMBER OF SEQUENCES: 118

CORRESPONDENCE ADDRESS:

ADDRESSEE: LICATA & TYRRELL P.C.
STREET: 66 E. Main Street
CITY: Marlton
STATE: NJ
COUNTRY: USA
ZIP: 08053

COMPUTER READABLE FORM:

MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE

```
;
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows 95
; SOFTWARE: WORDPERFECT 6.1 for Windows
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/650,093C
; FILING DATE: 17-May-1996
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/452,841
; FILING DATE: May 30, 1995
; APPLICATION NUMBER: 08/397,220
; FILING DATE: March 9, 1995
; APPLICATION NUMBER: 07/945,289
; FILING DATE: September 10, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane Massey Licata
; REGISTRATION NUMBER: 32,257
; REFERENCE/DOCKET NUMBER: ISPH-
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (609) 779-8488
; TELEFAX: (609) 779-8488
; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: Yes
; SEQUENCE DESCRIPTION: SEQ ID NO: 39:
US-08-650-093C-39
Query Match 66.7%; Score 12; DB 3; Length 20;
Best Local Similarity 83.3%; Pred. No. 9.1e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
   |||:|:|:|
Db 3 GGGGTCCTGGAG 14

RESULT 18
US-08-650-093C-40
; Sequence 40, Application US/08650093C
; Patent No. 6391542
; GENERAL INFORMATION:
; APPLICANT: Kevin P. Anderson et al.
; TITLE OF INVENTION: Compositions And Methods For Treatment Of
; NUMBER OF SEQUENCES: 118
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LICATA & TYRRELL P.C.
; STREET: 66 E. Main Street
; CITY: Marlton
; STATE: NJ
; COUNTRY: USA
; ZIP: 08053
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows 95
; SOFTWARE: WORDPERFECT 6.1 for Windows
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/650,093C
; FILING DATE: 17-May-1996
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/452,841
; FILING DATE: May 30, 1995
; APPLICATION NUMBER: 08/397,220
; FILING DATE: March 9, 1995
; APPLICATION NUMBER: 07/945,289
; FILING DATE: September 10, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane Massey Licata
; REGISTRATION NUMBER: 32,257
; REFERENCE/DOCKET NUMBER: ISPH-
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (609) 779-8488
; TELEFAX: (609) 779-8488
; INFORMATION FOR SEQ ID NO: 41:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: Yes
; SEQUENCE DESCRIPTION: SEQ ID NO: 41:
US-08-650-093C-41
```

```
;
; NAME: Jane Massey Licata
; REGISTRATION NUMBER: 32,257
; REFERENCE/DOCKET NUMBER: ISPH-
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (609) 779-8488
; TELEFAX: (609) 779-8488
; INFORMATION FOR SEQ ID NO: 40:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: Yes
; SEQUENCE DESCRIPTION: SEQ ID NO: 40:
US-08-650-093C-40
Query Match 66.7%; Score 12; DB 3; Length 20;
Best Local Similarity 83.3%; Pred. No. 9.1e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
   |||:|:|:|
Db 5 GGGGTCCTGGAG 16

RESULT 19
US-08-650-093C-41
; Sequence 41, Application US/08650093C
; Patent No. 6391542
; GENERAL INFORMATION:
; APPLICANT: Kevin P. Anderson et al.
; TITLE OF INVENTION: Hepatitis C Virus-Associated Diseases
; NUMBER OF SEQUENCES: 118
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LICATA & TYRRELL P.C.
; STREET: 66 E. Main Street
; CITY: Marlton
; STATE: NJ
; COUNTRY: USA
; ZIP: 08053
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows 95
; SOFTWARE: WORDPERFECT 6.1 for Windows
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/650,093C
; FILING DATE: 17-May-1996
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/452,841
; FILING DATE: May 30, 1995
; APPLICATION NUMBER: 08/397,220
; FILING DATE: March 9, 1995
; APPLICATION NUMBER: 07/945,289
; FILING DATE: September 10, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane Massey Licata
; REGISTRATION NUMBER: 32,257
; REFERENCE/DOCKET NUMBER: ISPH-
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (609) 779-8488
; TELEFAX: (609) 779-8488
; INFORMATION FOR SEQ ID NO: 41:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: Yes
; SEQUENCE DESCRIPTION: SEQ ID NO: 41:
US-08-650-093C-41
```

Query Match 66.7%; Score 12; DB 3; Length 20;
Best Local Similarity 83.3%; Pred. No. 9.1e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
DB 7 GGGGTCCTGGAG 18

RESULT 20

US-08-650-093C-44
; Sequence 44, Application US/08650093C
; Patent No. 6391542

GENERAL INFORMATION:

; APPLICANT: Kevin P. Anderson et al.
; TITLE OF INVENTION: Compositions And Methods For Treatment Of
; Hepatitis C Virus-Associated Diseases
; NUMBER OF SEQUENCES: 118
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LICATA & TYRRELL P.C.
; STREET: 66 E. Main Street
; CITY: Marlton
; STATE: NJ
; COUNTRY: USA
; ZIP: 08053

COMPUTER READABLE FORM:

; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows 95
; SOFTWARE: WORDPERFECT 6.1 for Windows
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/650,093C
; FILING DATE: 17-May-1996
; CLASSIFICATION: <Unknown>
; APPLICATION DATA:
; APPLICATION NUMBER: 08/452,841
; FILING DATE: May 30, 1995
; APPLICATION NUMBER: 08/397,220
; FILING DATE: March 9, 1995
; APPLICATION NUMBER: 07/945,289
; FILING DATE: September 10, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane Massey Licata
; REGISTRATION NUMBER: 32,257
; REFERENCE/DOCKET NUMBER: ISPH-
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (609) 779-2400
; TELEFAX: (609) 779-8488

SEQUENCE CHARACTERISTICS:

; LENGTH: 20
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: Yes
; SEQUENCE DESCRIPTION: SEQ ID NO: 44:
US-08-650-093C-44

Query Match 66.7%; Score 12; DB 3; Length 20;
Best Local Similarity 83.3%; Pred. No. 9.1e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
DB 9 GGGGTCCTGGAG 20

RESULT 21

US-09-647-344A-49/c
; Sequence 49, Application US/09647344A
; Patent No. 6586180

GENERAL INFORMATION:

; APPLICANT: Ruffner, Duane E.
; APPLICANT: Pierce, Michael L.
; APPLICANT: Chen, Zhidong
; TITLE OF INVENTION: Directed Antisense Libraries
; FILE REFERENCE: T6678.PCT.US
; CURRENT APPLICATION NUMBER: US/09/647,344A
; CURRENT FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: PCT/US99/06742
; PRIOR FILING DATE: 1999-03-28
; NUMBER OF SEQ ID NOS: 50
; SEQ ID NO 49
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1..14
; OTHER INFORMATION: Deletion fragment in a deletion fragment library, including a po
US-09-647-344A-49

Query Match 66.7%; Score 12; DB 4; Length 20;
Best Local Similarity 91.7%; Pred. No. 9.1e+02;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 CUGGAGNNNNNN 18
DB 20 CTGGAGNNNNNN 9

RESULT 22

US/09/647/c
; Sequence 38, Application US/09647344A
; Patent No. 6586180

GENERAL INFORMATION:

; APPLICANT: Ruffner, Duane E.
; APPLICANT: Pierce, Michael L.
; APPLICANT: Chen, Zhidong
; TITLE OF INVENTION: Directed Antisense Libraries
; FILE REFERENCE: T6678.PCT.US
; CURRENT APPLICATION NUMBER: US/09/647,344A
; CURRENT FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: PCT/US99/06742
; PRIOR FILING DATE: 1999-03-28
; NUMBER OF SEQ ID NOS: 50
; SEQ ID NO 38
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1..16
; OTHER INFORMATION: Portion of an intermediate in the making of a deletion library,
US/09/647,344A-38

Query Match 66.7%; Score 12; DB 4; Length 22;
Best Local Similarity 91.7%; Pred. No. 9e+02;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 CUGGAGNNNNNN 18
DB 22 CTGGAGNNNNNN 11

RESULT 23

US-08-639-080-22
; Sequence 22, Application US/08639080
; Patent No. 5843661

GENERAL INFORMATION:

; APPLICANT: Rothenmund, Paul W.K.
; TITLE OF INVENTION: METHOD FOR CONSTRUCTING UNIVERSAL DNA
; TITLE OF INVENTION: BASED MOLECULAR TURING MACHINE
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:

ADDRESSEE: Fish & Richardson P.C.
STREET: 4225 Executive Square, Ste 1400
CITY: La Jolla
STATE: CA
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/639,080
FILING DATE: April 24, 1996
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Harris, Scott C.
REGISTRATION NUMBER: 32,030
REFERENCE/DOCKET NUMBER: 06618/129001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 678-5070
TELEFAX: (619) 678-5099
TELEX:
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: oligonucleotide
LOCATION: 7-24
OTHER INFORMATION: where N at positions 6-13 can be adenine,
OTHER INFORMATION: guanine, cytosine, thymine or uracil

US-08-639-080-22

Query Match 66.7%; Score 12; DB 2; Length 24;
Best Local Similarity 91.7%; Pred. No. 9e+02;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 7 CUGGAGNNNNN 18
|:|||||
Db 1 CTGGAGNNNNN 12

RESULT 24

US/09/647/c
; Sequence 39, Application US/09647344A
; Patent No. 6586180
; GENERAL INFORMATION:
; APPLICANT: Ruffner, Duane E.
; APPLICANT: Pierce, Michael L.
; APPLICANT: Chen, Zhidong
; TITLE OF INVENTION: Directed Antisense Libraries
; FILE REFERENCE: T6678.PCT.US
; CURRENT APPLICATION NUMBER: US/09/647,344A
; CURRENT FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: PCT/US99/06742
; PRIOR FILING DATE: 1999-03-28
; NUMBER OF SEQ ID NOS: 50
; SEQ ID NO 39
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 6..19
; OTHER INFORMATION: 14 bp variable sequence fragment of a deletion library including
US/09/647,344A-39

Query Match 66.7%; Score 12; DB 4; Length 25;
Best Local Similarity 91.7%; Pred. No. 8.9e+02;

Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Qy 7 CUGGAGNNNNN 18
|:|||||
Db 25 CTGGAGNNNNN 14

RESULT 25

US-09-647-344A-47/c
; Sequence 47, Application US/09647344A
; Patent No. 6586180
; GENERAL INFORMATION:
; APPLICANT: Ruffner, Duane E.
; APPLICANT: Pierce, Michael L.
; APPLICANT: Chen, Zhidong
; TITLE OF INVENTION: Directed Antisense Libraries
; FILE REFERENCE: T6678.PCT.US
; CURRENT APPLICATION NUMBER: US/09/647,344A
; CURRENT FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: PCT/US99/06742
; PRIOR FILING DATE: 1999-03-28
; NUMBER OF SEQ ID NOS: 50
; SEQ ID NO 47
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 14..19
; OTHER INFORMATION: Sequence flanking the chloramphenicol (CAT) gene after insertion
; Patent No. 6586180
US-09-647-344A-47

Query Match 66.7%; Score 12; DB 4; Length 25;
Best Local Similarity 91.7%; Pred. No. 8.9e+02;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 7 CUGGAGNNNNN 18
|:|||||
Db 25 CTGGAGNNNNN 14

RESULT 26

US-08-397-220B-98/c
; Sequence 98, Application US/08397220B
; Patent No. 6284458
; GENERAL INFORMATION:
; APPLICANT: Anderson et al.
; TITLE OF INVENTION: Compositions And Methods For Treatment
; OF Hepatitis C Virus-Associated Diseases
; NUMBER OF SEQUENCES: 98
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Jane Massey Licata, Esq.
; STREET: 210 Lake Drive East, Suite 201
; CITY: Cherry Hill
; STATE: NJ
; COUNTRY: USA
; ZIP: 08002
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
; COMPUTER: IBM 486
; OPERATING SYSTEM: WINDOWS FOR WORKGROUPS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/397,220B
; FILING DATE: 09-Mar-1995
; CLASSIFICATION: <unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/JP93/01293
; FILING DATE: 10-Sep-93
; APPLICATION NUMBER: JP 5-87195
; FILING DATE: 14-Apr-93
; APPLICATION NUMBER: 07/945,289

```
/
/ FILING DATE: 10-Sep-92
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Jane Massey Licata
/ REGISTRATION NUMBER: 32,257
/ REFERENCE/DOCKET NUMBER: ISPH-0031
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (609) 779-2400
/ TELEFAX: (609) 779-8488
/ INFORMATION FOR SEQ ID NO: 98:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 26
/ TYPE: nucleic acid
/ STRANDEDNESS: Single
/ TOPOLOGY: Linear
/ ANTI-SENSE: NO
/ SEQUENCE DESCRIPTION: SEQ ID NO: 98:
US-08-397-220B-98

Query Match 66.7%; Score 12; DB 3; Length 26;
Best Local Similarity 83.3%; Pred. No. 8.9e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 20 GGGGTCCTGGAG 9

RESULT 27
US-08-650-093C-98/c
; Sequence 98, Application US/08650093C
; Patent No. 6391542
; GENERAL INFORMATION:
; APPLICANT: Kevin P. Anderson et al.
; TITLE OF INVENTION: Compositions And Methods For Treatment Of
; Hepatitis C Virus-Associated Diseases
; NUMBER OF SEQUENCES: 118
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LICATA & TYRRELL P.C.
; STREET: 66 E. Main Street
; CITY: Marlton
; STATE: NJ
; COUNTRY: USA
; ZIP: 08053
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows 95
; SOFTWARE: WORDPERFECT 6.1 for Windows
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/650,093C
; FILING DATE: 17-May-1996
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/452,841
; FILING DATE: May 30, 1995
; APPLICATION NUMBER: 08/397,220
; FILING DATE: March 9, 1995
; APPLICATION NUMBER: 07/945,289
; FILING DATE: September 10, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane Massey Licata
; REGISTRATION NUMBER: 32,257
; REFERENCE/DOCKET NUMBER: ISPH-
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (609) 779-2400
; TELEFAX: (609) 779-8488
; INFORMATION FOR SEQ ID NO: 98:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 26
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: NO
```

```
/
/ SEQUENCE DESCRIPTION: SEQ ID NO: 98:
US-08-650-093C-98

Query Match 66.7%; Score 12; DB 3; Length 26;
Best Local Similarity 83.3%; Pred. No. 8.9e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 20 GGGGTCCTGGAG 9

RESULT 28
US-08-240-547-7/c
; Sequence 7, Application US/08240547
; Patent No. 5527669
; GENERAL INFORMATION:
; APPLICANT: Resnick, Robert M.
; APPLICANT: Young, Karen K.Y.
; TITLE OF INVENTION: Primers and Probes for Detection of
; Hepatitis C and No. 5527669el Variants
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hoffmann-La Roche Inc.
; STREET: 340 Kingsland Street
; CITY: Nutley
; STATE: NJ
; COUNTRY: U.S.A.
; ZIP: 07110-1199
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/240,547
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/918,844
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Sias Ph.D., Stacey R.
; REGISTRATION NUMBER: 32,630
; REFERENCE/DOCKET NUMBER: 8586
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 814-2863
; TELEFAX: (510) 814-2977
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-240-547-7

Query Match 66.7%; Score 12; DB 1; Length 30;
Best Local Similarity 83.3%; Pred. No. 8.8e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 13 GGGGTCCTGGAG 2

RESULT 29
US-08-530-492-66/c
; Sequence 66, Application US/08530492
; Patent No. 5689052
; GENERAL INFORMATION:
; APPLICANT: Brown, Sherri M.
; APPLICANT: Dean, Duff A.
```

```
; APPLICANT: Fromm, Michael E.
; APPLICANT: Sanders, Patricia R.
; TITLE OF INVENTION: Synthetic DNA Sequences Having Enhanced
; TITLE OF INVENTION: Expression in Monocotyledonous Plants and Method For
; TITLE OF INVENTION: Preparation Thereof
; NUMBER OF SEQUENCES: 164
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dennis R. Hoerner, Jr., Monsanto Co. BB4F
; STREET: 700 Chesterfield Parkway No. 5689052th
; CITY: St. Louis
; STATE: Missouri
; COUNTRY: USA
; ZIP: 63198
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/530,492
; FILING DATE:
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/172,333
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Hoerner Jr., Dennis R.
; REGISTRATION NUMBER: 30,914
; REFERENCE/DOCKET NUMBER: 38-21(10605)A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (314)537-6099
; TELEFAX: (314)537-6047
; INFORMATION FOR SEQ ID NO: 66:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 39 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (synthetic)
US-08-530-492-66

Query Match 66.7%; Score 12; DB 1; Length 39;
Best Local Similarity 83.3%; Pred. No. 8.6e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 20 GGGGTCCTGGAG 9

RESULT 30
US-08-517-66/c
; Sequence 66, Application US/08906517
; Patent No. 6180774
; GENERAL INFORMATION:
; APPLICANT: Brown, Sherri M.
; APPLICANT: Dean, Duff A.
; APPLICANT: Fromm, Michael E.
; APPLICANT: Sanders, Patricia R.
; TITLE OF INVENTION: Synthetic DNA Sequences Having Enhanced
; TITLE OF INVENTION: Expression in Monocotyledonous Plants and Method For
; TITLE OF INVENTION: Preparation Thereof
; NUMBER OF SEQUENCES: 164
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: TX
; COUNTRY: USA
; ZIP: 77210-4433
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
```

```
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/906,517
; FILING DATE: Concurrently Herewith
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Kitchell, Barbara S.
; REGISTRATION NUMBER: 33,928
; REFERENCE/DOCKET NUMBER: MOBT:170
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 512-418-3000
; TELEFAX: 512-474-7577
; INFORMATION FOR SEQ ID NO: 66:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 39 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-906-517-66

Query Match 66.7%; Score 12; DB 3; Length 39;
Best Local Similarity 83.3%; Pred. No. 8.6e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 20 GGGGTCCTGGAG 9

RESULT 31
US-09-647-344A-48/c
; Sequence 48, Application US/09647344A
; Patent No. 6586180
; GENERAL INFORMATION:
; APPLICANT: Ruffner, Duane E.
; APPLICANT: Pierce, Michael L.
; APPLICANT: Chen, Zhidong
; TITLE OF INVENTION: Directed Antisense Libraries
; FILE REFERENCE: T6678.PCT.US
; CURRENT APPLICATION NUMBER: US/09/647,344A
; CURRENT FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: PCT/US99/06742
; PRIOR FILING DATE: 1999-03-28
; NUMBER OF SEQ ID NOS: 50
; SEQ ID NO 48
; LENGTH: 46
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 6..12 and 35..40
; OTHER INFORMATION: Hammerhead ribozyme library with flanking sequences.
US-09-647-344A-48

Query Match 66.7%; Score 12; DB 4; Length 46;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 7 CUGGAGNNNNNN 18
Db 46 CTGGAGNNNNNN 35

RESULT 32
US-09-422-978-2597
; Sequence 2597, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
```

```
FILE REFERENCE: GENSET.020CP1
CURRENT APPLICATION NUMBER: US/09/422,978
CURRENT FILING DATE: 1999-10-20
EARLIER APPLICATION NUMBER: US 09/298,850
EARLIER FILING DATE: 1999-04-21
EARLIER APPLICATION NUMBER: US 60/109,732
EARLIER FILING DATE: 1998-11-23
EARLIER APPLICATION NUMBER: US 60/082,614
EARLIER FILING DATE: 1998-04-21
NUMBER OF SEQ ID NOS: 11796
SEQ ID NO 2597
LENGTH: 47
TYPE: DNA
ORGANISM: Homo Sapiens
FEATURE:
NAME/KEY: allele
LOCATION: 24
OTHER INFORMATION: 99-1211-59 : polymorphic base C or T
US-09-422-978-2597

Query Match 66.7%; Score 12; DB 4; Length 47;
Best Local Similarity 83.3%; Pred. No. 8.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
   ||||:||||
Db 25 GGGGTCCTGGAG 36

RESULT 33
US-09-621-976-10142
Sequence 10142, Application US/09621976
Patent No. 6639063
GENERAL INFORMATION:
APPLICANT: Dumas Milne Edwards, J.B.
APPLICANT: Jobert, S.
APPLICANT: Giordano, J.Y.
TITLE OF INVENTION: ESTs and Encoded Human Proteins.
FILE REFERENCE: GENSET.054PR2
CURRENT APPLICATION NUMBER: US/09/621,976
CURRENT FILING DATE: 2000-07-21
NUMBER OF SEQ ID NOS: 19335
SOFTWARE: Patent.pm
SEQ ID NO 10142
LENGTH: 61
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: 6
OTHER INFORMATION: n=a, g, c or t
US-09-621-976-10142

Query Match 66.7%; Score 12; DB 4; Length 61;
Best Local Similarity 83.3%; Pred. No. 8.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
   ||||:||||
Db 29 GGGGTCCTGGAG 40

RESULT 34
US-08-474-700B-41
Sequence 41, Application US/08474700B
Patent No. 6001990
GENERAL INFORMATION:
APPLICANT: Wands, Jack
APPLICANT: Wakita, Takaji
APPLICANT: Moradpour, Darius
TITLE OF INVENTION: ANTISENSE INHIBITION OF HEPATITIS C
TITLE OF INVENTION: VIRUS
NUMBER OF SEQUENCES: 45
```

```
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 225 Franklin Street
CITY: Boston
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM PS/2 Model 50Z or 55SX
OPERATING SYSTEM: MS-DOS (Version 5.0)
SOFTWARE: WordPerfect (Version 5.1)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/474,700B
FILING DATE: 07-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/240,382
FILING DATE: 10 May 1994
ATTORNEY/AGENT INFORMATION:
NAME: Fraser, Janis K.
REGISTRATION NUMBER: 34,819
REFERENCE/DOCKET NUMBER: 00786/279001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
TELEFAX: (617) 542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 41:
SEQUENCE CHARACTERISTICS:
LENGTH: 155 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
US-08-474-700B-41

Query Match 66.7%; Score 12; DB 3; Length 155;
Best Local Similarity 83.3%; Pred. No. 7.5e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
   ||||:||||
Db 33 GGGGTCCTGGAG 44

RESULT 35
US-08-256-568B-61/c
Sequence 61, Application US/08256568B
Patent No. 5846704
GENERAL INFORMATION:
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
TITLE OF INVENTION: ISOLATES
NUMBER OF SEQUENCES: 97
CORRESPONDENCE ADDRESS:
ADDRESSER: BIERMAN & MUSERLIAN
STREET: 600 THIRD AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10016
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/256,568B
FILING DATE: 18-JUL-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP93/03325
FILING DATE: 26-NOV-1993
```

; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 61:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: be82 (also referred to as be99)
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
; US-08-256-568B-61

Query Match 66.7%; Score 12; DB 2; Length 177;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
||||:|||||
DB 26 GGGGTCTGGAG 15

RESULT 36
US-08-256-568B-67/c
; Sequence 67, Application US/08256568B
; Patent No. 5846704
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/256,568B
; FILING DATE: 18-JUL-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 68:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single

; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 67:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: gb48
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
; US-08-256-568B-67

Query Match 66.7%; Score 12; DB 2; Length 177;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
||||:|||||
DB 26 GGGGTCTGGAG 15

RESULT 37
US-08-256-568B-68/c
; Sequence 68, Application US/08256568B
; Patent No. 5846704
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/256,568B
; FILING DATE: 18-JUL-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 68:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single

TOPOLOGY: linear
MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
CLONE: gb116
POSITION IN GENOME:
MAP POSITION: 5' untranslated region
US-08-256-568B-68

Query Match 66.7%; Score 12; DB 2; Length 177;

Best Local Similarity 83.3%; Pred. No. 7.4e+02; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 26 GGGGTCTCGGAG 15

RESULT 38

US-08-256-568B-69/c
; Sequence 69, Application US/08256568B
; Patent No. 5846704
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/256,568B
FILING DATE: 18-JUL-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP93/03325
FILING DATE: 26-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 31-AUG-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/92/403,222.0
FILING DATE: 27-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 410,004
TELEPHONE: (212) 661-8000
TELEFAX: (212) 661-8002
INFORMATION FOR SEQ ID NO: 69:
SEQUENCE CHARACTERISTICS:
LENGTH: 177 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
CLONE: gb569
POSITION IN GENOME:
MAP POSITION: 5' untranslated region

Query Match

66.7%; Score 12; DB 2; Length 177;

Best Local Similarity 83.3%; Pred. No. 7.4e+02; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 26 GGGGTCTCGGAG 15

RESULT 39

US-08-256-568B-70/c
; Sequence 70, Application US/08256568B
; Patent No. 5846704
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/256,568B
FILING DATE: 18-JUL-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP93/03325
FILING DATE: 26-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 31-AUG-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/92/403,222.0
FILING DATE: 27-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 410,004
TELEPHONE: (212) 661-8000
TELEFAX: (212) 661-8002
INFORMATION FOR SEQ ID NO: 70:
SEQUENCE CHARACTERISTICS:
LENGTH: 177 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
CLONE: gb358
POSITION IN GENOME:
MAP POSITION: 5' untranslated region

Query Match 66.7%; Score 12; DB 2; Length 177;

Best Local Similarity 83.3%; Pred. No. 7.4e+02; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 26 GGGGTCTCGGAG 15

RESULT 40

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/256,568B
FILING DATE: 18-JUL-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP93/03325
FILING DATE: 26-NOV-1993
PRIOR APPLICATION DATA: EP/93/402,129.6
FILING DATE: 31-AUG-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/92/403,222.0
FILING DATE: 27-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 410.004
TELEPHONE: (212) 661-8000
TELEFAX: (212) 661-8002
INFORMATION FOR SEQ ID NO: 74:
SEQUENCE CHARACTERISTICS:
LENGTH: 177 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
CLONE: gb809
POSITION IN GENOME:
MAP POSITION: 5' untranslated region
US-08-256-568B-74

Query Match 66.7%; Score 12; DB 2; Length 177;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
|||:|:|:|
Db 26 GGGGTCCTGGAG 15

RESULT 43
US-08-256-568B-75/c
Sequence 75, Application US/08256568B
Patent No. 5846704
GENERAL INFORMATION:
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
NUMBER OF SEQUENCES: 97
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIERMAN & MUSERLIAN
STREET: 600 THIRD AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10016
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/256,568B
FILING DATE: 18-JUL-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP93/03325

FILING DATE: 26-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 31-AUG-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/92/403,222.0
FILING DATE: 27-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 410.004
TELEPHONE: (212) 661-8000
TELEFAX: (212) 661-8002
INFORMATION FOR SEQ ID NO: 75:
SEQUENCE CHARACTERISTICS:
LENGTH: 177 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
CLONE: gb487
POSITION IN GENOME:
MAP POSITION: 5' untranslated region
US-08-256-568B-75

Query Match 66.7%; Score 12; DB 2; Length 177;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
|||:|:|:|
Db 26 GGGGTCCTGGAG 15

RESULT 44
US-08-256-568B-76/c
Sequence 76, Application US/08256568B
Patent No. 5846704
GENERAL INFORMATION:
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
NUMBER OF SEQUENCES: 97
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIERMAN & MUSERLIAN
STREET: 600 THIRD AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10016
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/256,568B
FILING DATE: 18-JUL-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP93/03325
FILING DATE: 26-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 31-AUG-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/92/403,222.0
FILING DATE: 27-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN

```
;
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 76:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
; IMMEDIATE SOURCE:
; CLONE: gb724
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
US-08-256-568B-76

Query Match 66.7%; Score 12; DB 2; Length 177;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
   ||||:||||
Db 26 GGGGTCTCTGGAG 15

RESULT 45
US-08-256-568B-77/c
; Sequence 77, Application US/08256568B
; Patent No. 5846704
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/256,568B
; FILING DATE: 18-JUL-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 77:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
```

```
;
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
; IMMEDIATE SOURCE:
; LIBRARY: be97
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
US-08-256-568B-77

Query Match 66.7%; Score 12; DB 2; Length 177;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
   ||||:||||
Db 26 GGGGTCTCTGGAG 15

RESULT 46
US-08-256-568B-78/c
; Sequence 78, Application US/08256568B
; Patent No. 5846704
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/256,568B
; FILING DATE: 18-JUL-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 78:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
; IMMEDIATE SOURCE:
; CLONE: be95
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
US-08-256-568B-78
```

Query Match 66.7%; Score 12; DB 2; Length 177;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 26 GGGGTCCTGGAG 15

RESULT 47
US-08-256-568B-79/c
; Sequence 79, Application US/08256568B
; Patent No. 5846704
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/256,568B
; FILING DATE: 18-JUL-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 79:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: be96
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
US-08-256-568B-79

Query Match 66.7%; Score 12; DB 2; Length 177;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 26 GGGGTCCTGGAG 15

RESULT 48
US-08-256-568B-80/c
; Sequence 80, Application US/08256568B
; Patent No. 5846704
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/256,568B
; FILING DATE: 18-JUL-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 80:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: be98
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
US-08-256-568B-80

Query Match 66.7%; Score 12; DB 2; Length 177;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 26 GGGGTCCTGGAG 15

RESULT 49
US-09-038-369B-61/c
; Sequence 61, Application US/09038369B
; Patent No. 6171784
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES

```

; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/038,369B
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; PRIOR APPLICATION DATA: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 67:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: gB48
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
; US-09-038-369B-67

Query Match 66.7%; Score 12; DB 3; Length 177;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 26 GGGGTCTGGAG 15
||||:|||||

RESULT 51
US-09-038-369B-68/c
; Sequence 68, Application US/09038369B
; Patent No. 6171784
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:

```

APPLICATION NUMBER: US/09/038,369B
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/256,568
FILING DATE: 18-JUL-1994
APPLICATION NUMBER: PCT/EP93/03325
FILING DATE: 26-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 31-AUG-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/92/403,222.0
FILING DATE: 27-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 410,004
TELEPHONE: (212) 661-8000
TELEFAX: (212) 661-8002
INFORMATION FOR SEQ ID NO: 68:
SEQUENCE CHARACTERISTICS:
LENGTH: 177 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
CLONE: gb116
POSITION IN GENOME:
MAP POSITION: 5' untranslated region
US-09-038-369B-68

Query Match 66.7%; Score 12; DB 3; Length 177;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 26 GGGGTCCTGGAG 15
||||:|||||

RESULT 52
US-09-038-369B-69/c
Sequence 69, Application US/09038369B
Patent No. 6171784
GENERAL INFORMATION:
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
TITLE OF INVENTION: ISOLATES
NUMBER OF SEQUENCES: 97
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIERMAN & MUSERLIAN
STREET: 600 THIRD AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10016
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/038,369B
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/256,568
FILING DATE: 18-JUL-1994
APPLICATION NUMBER: PCT/EP93/03325

FILING DATE: 26-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 31-AUG-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/92/403,222.0
FILING DATE: 27-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 410,004
TELEPHONE: (212) 661-8000
TELEFAX: (212) 661-8002
INFORMATION FOR SEQ ID NO: 69:
SEQUENCE CHARACTERISTICS:
LENGTH: 177 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
CLONE: gD589
POSITION IN GENOME:
MAP POSITION: 5' untranslated region
US-09-038-369B-69

Query Match 66.7%; Score 12; DB 3; Length 177;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 26 GGGGTCCTGGAG 15
||||:|||||

RESULT 53
US-09-038-369B-70/c
Sequence 70, Application US/09038369B
Patent No. 6171784
GENERAL INFORMATION:
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
TITLE OF INVENTION: ISOLATES
NUMBER OF SEQUENCES: 97
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIERMAN & MUSERLIAN
STREET: 600 THIRD AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10016
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/038,369B
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/256,568
FILING DATE: 18-JUL-1994
APPLICATION NUMBER: PCT/EP93/03325
FILING DATE: 26-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 31-AUG-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/92/403,222.0
FILING DATE: 27-NOV-1992

```
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 70:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; IMMEDIATE SOURCE:
; CLONE: gb358
; POSITION IN GENOME: 5' untranslated region
; MAP POSITION: 5' untranslated region
; US-09-038-369B-70
;
; Query Match 66.7%; Score 12; DB 3; Length 177;
; Best Local Similarity 83.3%; Pred. No. 7.4e+02;
; Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
;
; Qy 1 GGGGUCCUGGAG 12
; Db 26 GGGGTCTGGAG 15
;
; RESULT 54
; US-09-038-369B-72/c
; Sequence 72, Application US/09038369B
; Patent No. 6171784
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/038,369B
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 73:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
;
; Qy 1 GGGGUCCUGGAG 12
; Db 26 GGGGTCTGGAG 15
;
; RESULT 55
; US-09-038-369B-73/c
; Sequence 73, Application US/09038369B
; Patent No. 6171784
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/038,369B
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 73:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
```


IMMEDIATE SOURCE:
CLONE: cam736
POSITION IN GENOME:
MAP POSITION: 5', untranslated region
US-09-038-369B-73

Query Match 66.7%; Score 12; DB 3; Length 177;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
DB 26 GGGGTCTGGAG 15

RESULT 56
US-09-038-369B-74/c
Sequence 74, Application US/09038369B
Patent No. 6171784

GENERAL INFORMATION:
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
TITLE OF INVENTION: ISOLATES
NUMBER OF SEQUENCES: 97
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIERMAN & MUSERLIAN
STREET: 600 THIRD AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10016
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/038,369B
FILING DATE:

CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/256,568
FILING DATE: 18-JUL-1994
APPLICATION NUMBER: PCT/EP93/03325
FILING DATE: 26-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 31-AUG-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/92/403,222.0
FILING DATE: 27-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 410,004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 661-8000
TELEFAX: (212) 661-8002
INFORMATION FOR SEQ ID NO: 74:
SEQUENCE CHARACTERISTICS:
LENGTH: 177 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
CLONE: gb809
POSITION IN GENOME:
MAP POSITION: 5', untranslated region
US-09-038-369B-74

Query Match 66.7%; Score 12; DB 3; Length 177;

Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGGGUCCUGGAG 12
DB 26 GGGGTCTGGAG 15

RESULT 57
US-09-038-369B-75/c
Sequence 75, Application US/09038369B
Patent No. 6171784

GENERAL INFORMATION:
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
TITLE OF INVENTION: ISOLATES
NUMBER OF SEQUENCES: 97
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIERMAN & MUSERLIAN
STREET: 600 THIRD AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10016
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/038,369B
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/256,568
FILING DATE: 18-JUL-1994
APPLICATION NUMBER: PCT/EP93/03325
FILING DATE: 26-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 31-AUG-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/92/403,222.0
FILING DATE: 27-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 410,004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 661-8000
TELEFAX: (212) 661-8002
INFORMATION FOR SEQ ID NO: 75:
SEQUENCE CHARACTERISTICS:
LENGTH: 177 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
CLONE: gb487
POSITION IN GENOME:
MAP POSITION: 5', untranslated region
US-09-038-369B-75

Query Match 66.7%; Score 12; DB 3; Length 177;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
DB 26 GGGGTCTGGAG 15

```
RESULT 58
US-09-038-369B-76/c
; Sequence 76, Application US/09038369B
; Patent No. 6171784
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/038,369B
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 76:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: gb724
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
US-09-038-369B-76
```

```
Query Match 66.7%; Score 12; DB 3; Length 177;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 26 GGGGTCTCTGGAG 15
||||:|||||
```

```
RESULT 59
US-09-038-369B-77/c
; Sequence 77, Application US/09038369B
; Patent No. 6171784
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
```

```
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/038,369B
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 77:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; LIBRARY: be97
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
US-09-038-369B-77
```

```
Query Match 66.7%; Score 12; DB 3; Length 177;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 26 GGGGTCTCTGGAG 15
||||:|||||
```

```
RESULT 60
US-09-038-369B-78/c
; Sequence 78, Application US/09038369B
; Patent No. 6171784
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
```

CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10016
COMPUTER READABLE FORM: disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/038,369B
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/256,568
FILING DATE: 18-JUL-1994
APPLICATION NUMBER: PCT/EP93/03325
FILING DATE: 26-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 31-AUG-1993
APPLICATION NUMBER: EP/92/403,222.0
FILING DATE: 27-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 410,004
TELEPHONE: (212) 661-8000
TELEFAX: (212) 661-8002
INFORMATION FOR SEQ ID NO: 78:
SEQUENCE CHARACTERISTICS:
LENGTH: 177 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
CLONE: be95
POSITION IN GENOME:
MAP POSITION: 5', untranslated region
US-09-038-369B-78

Query Match 66.7%; Score 12; DB 3; Length 177;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
|||:|:|:|
Db 26 GGGTCTGGAG 15

RESULT 61
US-09-038-369B-79/c
Sequence 79, Application US/09038369B
Patent No. 6171784
GENERAL INFORMATION:
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
TITLE OF INVENTION: ISOLATES
NUMBER OF SEQUENCES: 97
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIERMAN & MUSERLIAN
STREET: 600 THIRD AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10016
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/038,369B
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/256,568
FILING DATE: 18-JUL-1994
APPLICATION NUMBER: PCT/EP93/03325
FILING DATE: 26-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 31-AUG-1993
APPLICATION NUMBER: EP/92/403,222.0
FILING DATE: 27-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 410,004
TELEPHONE: (212) 661-8000
TELEFAX: (212) 661-8002
INFORMATION FOR SEQ ID NO: 79:
SEQUENCE CHARACTERISTICS:
LENGTH: 177 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
CLONE: be96
POSITION IN GENOME:
MAP POSITION: 5', untranslated region
US-09-038-369B-79

Query Match 66.7%; Score 12; DB 3; Length 177;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
|||:|:|:|
Db 26 GGGTCTGGAG 15

RESULT 62
US-09-038-369B-80/c
Sequence 80, Application US/09038369B
Patent No. 6171784
GENERAL INFORMATION:
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
TITLE OF INVENTION: ISOLATES
NUMBER OF SEQUENCES: 97
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIERMAN & MUSERLIAN
STREET: 600 THIRD AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10016
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/038,369B
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:

```

; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 80:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; IMMEDIATE SOURCE:
; CLONE: be98
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
US-09-038-369B-80

```

```

Query Match 66.7%; Score 12; DB 3; Length 177;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy 1 GGGGUCCUGGAG 12
    ||||:||||
Db 26 GGGGTCCTGGAG 15

```

```

RESULT 63
US-09-378-900A-61/c
; Sequence 61, Application US/09378900A
; Patent No. 6495670
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/378,900A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993

```

```

; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 61:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; IMMEDIATE SOURCE:
; CLONE: be82 (also referred to as be99)
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
US-09-378-900A-61

```

```

Query Match 66.7%; Score 12; DB 4; Length 177;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy 1 GGGGUCCUGGAG 12
    ||||:||||
Db 26 GGGGTCCTGGAG 15

```

```

RESULT 64
US-09-378-900A-67/c
; Sequence 67, Application US/09378900A
; Patent No. 6495670
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/378,900A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004

```

TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 661-8000
TELEFAX: (212) 661-8002
INFORMATION FOR SEQ ID NO: 67:
SEQUENCE CHARACTERISTICS:
LENGTH: 177 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cdna
IMMEDIATE SOURCE:
CLONE: gb48
POSITION IN GENOME:
MAP POSITION: 5, untranslated region
US-09-378-900A-67

Query Match 66.7%; Score 12; DB 4; Length 177;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
|||||:|:|:|
Db 26 GGGGTCTGGAG 15

RESULT 65

US-09-378-900A-68/c
Sequence 68, Application US/09378900A
Patent No. 6495670
GENERAL INFORMATION:
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
TITLE OF INVENTION: ISOLATES
NUMBER OF SEQUENCES: 97
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIERMAN & MUSERLIAN
STREET: 600 THIRD AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10016
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/378,900A
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/256,568
FILING DATE: 18-JUL-1994
APPLICATION NUMBER: PCT/EP93/03325
FILING DATE: 26-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 31-AUG-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/92/403,222.0
FILING DATE: 27-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 410,004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 661-8000
TELEFAX: (212) 661-8002
INFORMATION FOR SEQ ID NO: 68:
SEQUENCE CHARACTERISTICS:
LENGTH: 177 base pairs
TYPE: nucleic acid

STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cdna
IMMEDIATE SOURCE:
CLONE: gb116
POSITION IN GENOME:
MAP POSITION: 5, untranslated region
US-09-378-900A-68

Query Match 66.7%; Score 12; DB 4; Length 177;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
|||||:|:|:|
Db 26 GGGGTCTGGAG 15

RESULT 66

US-09-378-900A-69/c
Sequence 69, Application US/09378900A
Patent No. 6495670
GENERAL INFORMATION:
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
TITLE OF INVENTION: ISOLATES
NUMBER OF SEQUENCES: 97
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIERMAN & MUSERLIAN
STREET: 600 THIRD AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10016
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/378,900A
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/256,568
FILING DATE: 18-JUL-1994
APPLICATION NUMBER: PCT/EP93/03325
FILING DATE: 26-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 31-AUG-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/92/403,222.0
FILING DATE: 27-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 410,004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 661-8000
TELEFAX: (212) 661-8002
INFORMATION FOR SEQ ID NO: 69:
SEQUENCE CHARACTERISTICS:
LENGTH: 177 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cdna
IMMEDIATE SOURCE:
CLONE: gb569
POSITION IN GENOME:
MAP POSITION: 5, untranslated region

US-09-378-900A-69

Query Match 66.7%; Score 12; DB 4; Length 177;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12

Db 26 GGGGCTCTGGAG 15

Db 26 GGGGCTCTGGAG 15

RESULT 68

US-09-378-900A-72/c
; Sequence 72, Application US/09378900A
; Patent No. 6495670
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/378,900A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 72:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: cam600
; POSITION IN GENOME:
; MAP POSITION: 5', untranslated region
US-09-378-900A-72

Query Match 66.7%; Score 12; DB 4; Length 177;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12

Db 26 GGGGCTCTGGAG 15

RESULT 69

US-09-378-900A-73/c
; Sequence 73, Application US/09378900A

Query Match 66.7%; Score 12; DB 4; Length 177;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12

; Patent No. 6495670
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/378,900A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 73:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: cam736
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
; US-09-378-900A-73

Query Match 66.7%; Score 12; DB 4; Length 177;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 26 GGGGTCCTGGAG 15
||||:||||

RESULT 70
US-09-378-900A-74/c
; Sequence 74, Application US/09378900A
; Patent No. 6495670
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; NUMBER OF SEQUENCES: 97

; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/378,900A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 74:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: gb809
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
; US-09-378-900A-74

Query Match 66.7%; Score 12; DB 4; Length 177;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 26 GGGGTCCTGGAG 15
||||:||||

RESULT 71
US-09-378-900A-75/c
; Sequence 75, Application US/09378900A
; Patent No. 6495670
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016

```
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/378,900A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 75:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
; IMMEDIATE SOURCE:
; CLONE: gb487
; POSITION IN GENOME:
; MAP POSITION: 5', untranslated region
;
US-09-378-900A-75
```

```
Query Match 66.7%; Score 12; DB 4; Length 177;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 GGGGUCCUGGAG 12
Db 26 GGGTCCTGGAG 15
||||:|||||
```

```
RESULT 72
US-09-378-900A-76/c
; Sequence 76, Application US/09378900A
; Patent No. 6495670
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/378,900A
```

```
;
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 76:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
; IMMEDIATE SOURCE:
; CLONE: gb724
; POSITION IN GENOME:
; MAP POSITION: 5', untranslated region
;
US-09-378-900A-76
```

```
Query Match 66.7%; Score 12; DB 4; Length 177;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 GGGGUCCUGGAG 12
Db 26 GGGTCCTGGAG 15
||||:|||||
```

```
RESULT 73
US-09-378-900A-77/c
; Sequence 77, Application US/09378900A
; Patent No. 6495670
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/378,900A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
```


;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: EP/93/402,129.6
;; FILING DATE: 31-AUG-1993
;; PRIOR APPLICATION DATA: EP/92/403,222.0
;; APPLICATION NUMBER: EP/92/403,222.0
;; FILING DATE: 27-NOV-1992
;; ATTORNEY/AGENT INFORMATION:
;; NAME: CHARLES A. MUSERLIAN
;; REGISTRATION NUMBER: 19,683
;; REFERENCE/DOCKET NUMBER: 410,004
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (212) 661-8000
;; TELEFAX: (212) 661-8002
;; INFORMATION FOR SEQ ID NO: 77:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 177 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: cDNA
;; IMMEDIATE SOURCE:
;; LIBRARY: be97
;; POSITION IN GENOME:
;; MAP POSITION: 5' untranslated region
US-09-378-900A-77

Query Match 66.7%; Score 12; DB 4; Length 177;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
||||:||||
DB 26 GGGTCTCTGGAG 15

RESULT 74
US-09-378-900A-78/c
;; Sequence 78, Application US/09378900A
;; Patent No. 6495670
;; GENERAL INFORMATION:
;; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
;; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
;; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
;; TITLE OF INVENTION: ISOLATES
;; NUMBER OF SEQUENCES: 97
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: BIERMAN & MUSERLIAN
;; STREET: 600 THIRD AVENUE
;; CITY: NEW YORK
;; STATE: NEW YORK
;; COUNTRY: USA
;; ZIP: 10016
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: ASCII
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/378,900A
;; FILING DATE:
;; CLASSIFICATION:
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/256,568
;; FILING DATE: 18-JUL-1994
;; APPLICATION NUMBER: PCT/EP93/03325
;; FILING DATE: 26-NOV-1993
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: EP/93/402,129.6
;; FILING DATE: 31-AUG-1993
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: EP/92/403,222.0
;; FILING DATE: 27-NOV-1992
;; ATTORNEY/AGENT INFORMATION:
;; NAME: CHARLES A. MUSERLIAN
;; REGISTRATION NUMBER: 19,683
;; REFERENCE/DOCKET NUMBER: 410,004
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (212) 661-8000
;; TELEFAX: (212) 661-8002
;; INFORMATION FOR SEQ ID NO: 79:

;; NAME: CHARLES A. MUSERLIAN
;; REGISTRATION NUMBER: 19,683
;; REFERENCE/DOCKET NUMBER: 410,004
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (212) 661-8000
;; TELEFAX: (212) 661-8002
;; INFORMATION FOR SEQ ID NO: 78:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 177 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: cDNA
;; IMMEDIATE SOURCE:
;; CLONE: be95
;; POSITION IN GENOME:
;; MAP POSITION: 5' untranslated region
US-09-378-900A-78

Query Match 66.7%; Score 12; DB 4; Length 177;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
||||:||||
DB 26 GGGTCTCTGGAG 15

RESULT 75
US-09-378-900A-79/c
;; Sequence 79, Application US/09378900A
;; Patent No. 6495670
;; GENERAL INFORMATION:
;; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
;; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
;; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
;; TITLE OF INVENTION: ISOLATES
;; NUMBER OF SEQUENCES: 97
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: BIERMAN & MUSERLIAN
;; STREET: 600 THIRD AVENUE
;; CITY: NEW YORK
;; STATE: NEW YORK
;; COUNTRY: USA
;; ZIP: 10016
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: ASCII
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/378,900A
;; FILING DATE:
;; CLASSIFICATION:
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/256,568
;; FILING DATE: 18-JUL-1994
;; APPLICATION NUMBER: PCT/EP93/03325
;; FILING DATE: 26-NOV-1993
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: EP/93/402,129.6
;; FILING DATE: 31-AUG-1993
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: EP/92/403,222.0
;; FILING DATE: 27-NOV-1992
;; ATTORNEY/AGENT INFORMATION:
;; NAME: CHARLES A. MUSERLIAN
;; REGISTRATION NUMBER: 19,683
;; REFERENCE/DOCKET NUMBER: 410,004
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (212) 661-8000
;; TELEFAX: (212) 661-8002
;; INFORMATION FOR SEQ ID NO: 79:

QY 1 GGGGUCCUGGAG 12
||||:|:|
Db 26 GGGGTCTGGAG 15

RESULT 78

US-09-899-044-67/c
; Sequence 67, Application US/09899044
; Patent No. 6548244
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/899,044
; FILING DATE: 06-Jul-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/378,900
; FILING DATE: <Unknown>
; FILING DATE: 26-NOV-1993
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 67:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: gb48
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
; SEQUENCE DESCRIPTION: SEQ ID NO: 67:
US-09-899-044-67

Query Match 66.7%; Score 12; DB 4; Length 177;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
||||:|:|
Db 26 GGGGTCTGGAG 15

RESULT 79

US-09-899-044-68/c

; Sequence 68, Application US/09899044
; Patent No. 6548244
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/899,044
; FILING DATE: 06-Jul-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/378,900
; FILING DATE: <Unknown>
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 68:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: gb116
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
; SEQUENCE DESCRIPTION: SEQ ID NO: 68:
US-09-899-044-68

Query Match 66.7%; Score 12; DB 4; Length 177;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
||||:|:|
Db 26 GGGGTCTGGAG 15

RESULT 80

US-09-899-044-69/c
; Sequence 69, Application US/09899044
; Patent No. 6548244
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; ISOLATES
; NUMBER OF SEQUENCES: 97

;/ CORRESPONDENCE ADDRESS:
;/ ADDRESSEE: BIERMAN & MUSERLIAN
;/ STREET: 600 THIRD AVENUE
;/ CITY: NEW YORK
;/ STATE: NEW YORK
;/ COUNTRY: USA
;/ ZIP: 10016
;/
;/ COMPUTER READABLE FORM:
;/ MEDIUM TYPE: Floppy disk
;/ COMPUTER: IBM PC compatible
;/ OPERATING SYSTEM: PC-DOS/MS-DOS
;/ SOFTWARE: ASCII
;/
;/ CURRENT APPLICATION DATA:
;/ APPLICATION NUMBER: US/09/899,044
;/ FILING DATE: 06-Jul-2001
;/ CLASSIFICATION: <Unknown>
;/
;/ PRIOR APPLICATION DATA:
;/ APPLICATION NUMBER: 09/378,900
;/ FILING DATE: <Unknown>
;/ APPLICATION NUMBER: PCT/EP93/03325
;/ FILING DATE: 26-NOV-1993
;/ APPLICATION NUMBER: EP/93/402,129.6
;/ FILING DATE: 31-AUG-1993
;/ APPLICATION NUMBER: EP/92/403,222.0
;/ FILING DATE: 27-NOV-1992
;/
;/ ATTORNEY/AGENT INFORMATION:
;/ NAME: CHARLES A. MUSERLIAN
;/ REGISTRATION NUMBER: 19,683
;/ REFERENCE/DOCKET NUMBER: 410,004
;/ TELECOMMUNICATION INFORMATION:
;/ TELEPHONE: (212) 661-8000
;/ TELEFAX: (212) 661-8002
;/
;/ INFORMATION FOR SEQ ID NO: 69:
;/ SEQUENCE CHARACTERISTICS:
;/ LENGTH: 177 base pairs
;/ TYPE: nucleic acid
;/ STRANDEDNESS: single
;/ TOPOLOGY: linear
;/ IMMEDIATE SOURCE:
;/ CLONE: gb569
;/ POSITION IN GENOME:
;/ MAP POSITION: 5' untranslated region
;/ SEQUENCE DESCRIPTION: SEQ ID NO: 69:
US-09-899-044-69

Query Match 66.7%; Score 12; DB 4; Length 177;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
||||:|||||
Db 26 GGGGTCTGGAG 15

RESULT 81
US-09-899-044-70/c
; Sequence 70, Application US/09899044
; Patent No. 6548244
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:

;/ MEDIUM TYPE: Floppy disk
;/ COMPUTER: IBM PC compatible
;/ OPERATING SYSTEM: PC-DOS/MS-DOS
;/ SOFTWARE: ASCII
;/
;/ CURRENT APPLICATION DATA:
;/ APPLICATION NUMBER: US/09/899,044
;/ FILING DATE: 06-Jul-2001
;/ CLASSIFICATION: <Unknown>
;/
;/ PRIOR APPLICATION DATA:
;/ APPLICATION NUMBER: 09/378,900
;/ FILING DATE: <Unknown>
;/ APPLICATION NUMBER: PCT/EP93/03325
;/ FILING DATE: 26-NOV-1993
;/ APPLICATION NUMBER: EP/93/402,129.6
;/ FILING DATE: 31-AUG-1993
;/ APPLICATION NUMBER: EP/92/403,222.0
;/ FILING DATE: 27-NOV-1992
;/
;/ ATTORNEY/AGENT INFORMATION:
;/ NAME: CHARLES A. MUSERLIAN
;/ REGISTRATION NUMBER: 19,683
;/ REFERENCE/DOCKET NUMBER: 410,004
;/ TELECOMMUNICATION INFORMATION:
;/ TELEPHONE: (212) 661-8000
;/ TELEFAX: (212) 661-8002
;/
;/ INFORMATION FOR SEQ ID NO: 70:
;/ SEQUENCE CHARACTERISTICS:
;/ LENGTH: 177 base pairs
;/ TYPE: nucleic acid
;/ STRANDEDNESS: single
;/ TOPOLOGY: linear
;/ MOLECULE TYPE: cDNA
;/ IMMEDIATE SOURCE:
;/ CLONE: gb358
;/ POSITION IN GENOME:
;/ MAP POSITION: 5' untranslated region
;/ SEQUENCE DESCRIPTION: SEQ ID NO: 70:
US-09-899-044-70

Query Match 66.7%; Score 12; DB 4; Length 177;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
||||:|||||
Db 26 GGGGTCTGGAG 15

RESULT 82
US-09-899-044-72/c
; Sequence 72, Application US/09899044
; Patent No. 6548244
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/899,044
; FILING DATE: 06-Jul-2001
; CLASSIFICATION: <Unknown>


```
;
; INFORMATION FOR SEQ ID NO: 74:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: 9b809
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
; SEQUENCE DESCRIPTION: SEQ ID NO: 74:
US-09-899-044-74

Query Match 66.7%; Score 12; DB 4; Length 177;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 26 GGGGTCCTGGAG 15

RESULT 85
US-09-899-044-75/c
; Sequence 75, Application US/09899044
; Patent No. 6548244
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/899,044
; FILING DATE: 06-Jul-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/378,900
; FILING DATE: <Unknown>
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 75:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: 9b724
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
; SEQUENCE DESCRIPTION: SEQ ID NO: 75:
US-09-899-044-76

Query Match 66.7%; Score 12; DB 4; Length 177;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 26 GGGGTCCTGGAG 15

RESULT 86
US-09-899-044-76/c
; Sequence 76, Application US/09899044
; Patent No. 6548244
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/899,044
; FILING DATE: 06-Jul-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/378,900
; FILING DATE: <Unknown>
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 76:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: 9b724
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
; SEQUENCE DESCRIPTION: SEQ ID NO: 76:
US-09-899-044-76

Query Match 66.7%; Score 12; DB 4; Length 177;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
||||:|:|
Db 26 GGGGTCCTGGAG 15

RESULT 87

US-09-899-044-77/c
; Sequence 77, Application US/09899044
; Patent No. 6548244
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/899,044
; FILING DATE: 06-Jul-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/378,900
; FILING DATE: <Unknown>
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 77:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; POSITION IN GENOME:
; MAP POSITION: 5', untranslated region
; SEQUENCE DESCRIPTION: SEQ ID NO: 77:
US-09-899-044-77

Query Match 66.7%; Score 12; DB 4; Length 177;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
||||:|:|
Db 26 GGGGTCCTGGAG 15

RESULT 88

US-09-899-044-78/c
; Sequence 78, Application US/09899044
; Patent No. 6548244
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/899,044
; FILING DATE: 06-Jul-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/378,900
; FILING DATE: <Unknown>
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 78:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: be95
; POSITION IN GENOME:
; MAP POSITION: 5', untranslated region
; SEQUENCE DESCRIPTION: SEQ ID NO: 78:
US-09-899-044-78

Query Match 66.7%; Score 12; DB 4; Length 177;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
||||:|:|
Db 26 GGGGTCCTGGAG 15

RESULT 89

US-09-899-044-79/c
; Sequence 79, Application US/09899044
; Patent No. 6548244
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; ISOLATES

CLASSIFICATION: 435
PRIOR APPLICATION DATA: PCT/EP93/03325
FILING DATE: 26-NOV-1993
PRIOR APPLICATION DATA: EP/93/402,129.6
FILING DATE: 31-AUG-1993
PRIOR APPLICATION DATA: EP/92/403,222.0
FILING DATE: 27-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 410.004
TELEPHONE: (212) 661-8000
TELEFAX: (212) 661-8002
INFORMATION FOR SEQ ID NO: 59:
SEQUENCE CHARACTERISTICS:
LENGTH: 178 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cdna
IMMEDIATE SOURCE:
CLONE: bu74
POSITION IN GENOME:
MAP POSITION: 5', untranslated region
US-08-256-568B-59

Query Match 66.7%; Score 12; DB 2; Length 178;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
||||:|||||
Db 26 GGGGTCCTGGAG 15

RESULT 92
US-08-256-568B-71/c
Sequence 71, Application US/08256568B
Patent No. 5846704
GENERAL INFORMATION:
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
TITLE OF INVENTION: ISOLATES
NUMBER OF SEQUENCES: 97
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIERMAN & MUSERLIAN
STREET: 600 THIRD AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10016
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/256,568B
FILING DATE: 18-JUL-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP93/03325
FILING DATE: 26-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 31-AUG-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/92/403,222.0

FILING DATE: 27-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 410.004
TELEPHONE: (212) 661-8000
TELEFAX: (212) 661-8002
INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 178 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cdna
IMMEDIATE SOURCE:
CLONE: gb549
POSITION IN GENOME:
MAP POSITION: 5', untranslated region
US-08-256-568B-71

Query Match 66.7%; Score 12; DB 2; Length 178;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
||||:|||||
Db 26 GGGGTCCTGGAG 15

RESULT 93
US-09-038-369B-59/c
Sequence 59, Application US/09038369B
Patent No. 6171784
GENERAL INFORMATION:
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
TITLE OF INVENTION: ISOLATES
NUMBER OF SEQUENCES: 97
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIERMAN & MUSERLIAN
STREET: 600 THIRD AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10016
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/038,369B
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/256,568
FILING DATE: 18-JUL-1994
APPLICATION NUMBER: PCT/EP93/03325
FILING DATE: 26-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 31-AUG-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/92/403,222.0
FILING DATE: 27-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 410.004
TELEPHONE: (212) 661-8000

```
;
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 59:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 178 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; IMMEDIATE SOURCE:
; CLONE: bu74
; POSITION IN GENOME:
; MAP POSITION: 5', untranslated region
;
US-09-038-369B-59

Query Match 66.7%; Score 12; DB 3; Length 178;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 26 GGGTCTCGGAG 15

RESULT 94
US-09-038-369B-71/c
; Sequence 71, Application US/09038369B
; Patent No. 6171784
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/038.369B
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 71:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 178 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; IMMEDIATE SOURCE:
; CLONE: bu74
; POSITION IN GENOME:
; MAP POSITION: 5', untranslated region
;
US-09-038-369B-59

;
; MOLECULE TYPE: cdna
; IMMEDIATE SOURCE:
; CLONE: gb549
; POSITION IN GENOME:
; MAP POSITION: 5', untranslated region
;
US-09-038-369B-71

Query Match 66.7%; Score 12; DB 3; Length 178;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 26 GGGTCTCGGAG 15

RESULT 95
US-09-378-900A-59/c
; Sequence 59, Application US/09378900A
; Patent No. 6495670
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/378.900A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 59:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 178 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; IMMEDIATE SOURCE:
; CLONE: bu74
; POSITION IN GENOME:
; MAP POSITION: 5', untranslated region
;
US-09-378-900A-59
```

Query Match 66.7%; Score 12; DB 4; Length 178;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 26 GGGGTCCTGGAG 15

RESULT 96
US-09-378-900A-71/c
; Sequence 71, Application US/09378900A
; Patent No. 6495670
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/378,900A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8000
; INFORMATION FOR SEQ ID NO: 71:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 178 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; IMMEDIATE SOURCE:
; CLONE: qb549
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
US-09-378-900A-71

Query Match 66.7%; Score 12; DB 4; Length 178;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 26 GGGGTCCTGGAG 15

RESULT 97
US-09-899-044-59/c
; Sequence 59, Application US/09899044
; Patent No. 6548244
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/899,044
; FILING DATE: 06-Jul-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/378,900
; FILING DATE: <Unknown>
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8000
; INFORMATION FOR SEQ ID NO: 59:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 178 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; IMMEDIATE SOURCE:
; CLONE: bu74
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
; SEQUENCE DESCRIPTION: SEQ ID NO: 59:
US-09-899-044-59

Query Match 66.7%; Score 12; DB 4; Length 178;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 26 GGGGTCCTGGAG 15

RESULT 98
US-09-899-044-71/c
; Sequence 71, Application US/09899044
; Patent No. 6548244
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;

```
;
;      ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
;      TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
;      ISOLATES
;      NUMBER OF SEQUENCES: 97
;      CORRESPONDENCE ADDRESS:
;      ADDRESSEE: BIERMAN & MUSERLIAN
;      STREET: 600 THIRD AVENUE
;      CITY: NEW YORK
;      STATE: NEW YORK
;      COUNTRY: USA
;      ZIP: 10016
;
;      COMPUTER READABLE FORM:
;      MEDIUM TYPE: Floppy disk
;      COMPUTER: IBM PC compatible
;      OPERATING SYSTEM: PC-DOS/MS-DOS
;      SOFTWARE: ASCII
;
;      CURRENT APPLICATION DATA:
;      APPLICATION NUMBER: US/09/899,044
;      FILING DATE: 06-Jul-2001
;      CLASSIFICATION: <Unknown>
;
;      PRIOR APPLICATION DATA:
;      APPLICATION NUMBER: 09/378,900
;      FILING DATE: <Unknown>
;      APPLICATION NUMBER: PCT/EP93/03325
;      FILING DATE: 26-NOV-1993
;      APPLICATION NUMBER: EP/93/402,129.6
;      FILING DATE: 31-AUG-1993
;      APPLICATION NUMBER: EP/92/403,222.0
;      FILING DATE: 27-NOV-1992
;
;      ATTORNEY/AGENT INFORMATION:
;      NAME: CHARLES A. MUSERLIAN
;      REGISTRATION NUMBER: 19,683
;      REFERENCE/DOCKET NUMBER: 410.004
;
;      TELECOMMUNICATION INFORMATION:
;      TELEPHONE: (212) 661-8000
;      TELEFAX: (212) 661-8002
;
;      INFORMATION FOR SEQ ID NO: 71:
;      SEQUENCE CHARACTERISTICS:
;      LENGTH: 178 base pairs
;      TYPE: nucleic acid
;      STRANDEDNESS: single
;      TOPOLOGY: linear
;      MOLECULE TYPE: cDNA
;      IMMEDIATE SOURCE:
;      CLONE: gb549
;      MAP POSITION: 5' untranslated region
;      SEQUENCE DESCRIPTION: SEQ ID NO: 71:
;
;      US-09-899-044-71
;
;      Query Match      66.7%; Score 12; DB 4; Length 178;
;      Best Local Similarity 83.3%; Pred. No. 7.4e+02;
;      Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
;
;
;      Qy      1 GGGGUCCUGGAG 12
;      Db      26 GGGGTCTGGAG 15
;      ||||:|||||
;
;      RESULT 99
;      US-08-441-971-50/c
;      Sequence 50, Application US/08441971
;      Patent No. 6071693
;      GENERAL INFORMATION:
;      APPLICANT: Tai-An Cha
;      TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
;      DIAGNOSTICS AND THERAPEUTICS
;      NUMBER OF SEQUENCES: 147
;      CORRESPONDENCE ADDRESS:
;      ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
;      STREET: 600 Atlantic Avenue
;      CITY: Boston
;      STATE: Massachusetts
;
;      COMPUTER READABLE FORM:
;      MEDIUM TYPE: Diskette, 5.25 inch
;      COMPUTER: IBM compatible
;      OPERATING SYSTEM: MS-DOS Version 3.3
;      SOFTWARE: WordPerfect 5.1
;      CURRENT APPLICATION DATA:
;      APPLICATION NUMBER: US/08/441,971
;      FILING DATE: 16-MAY-1995
;      CLASSIFICATION: 435
;      PRIOR APPLICATION DATA:
;      APPLICATION NUMBER: US/08/221,653
```

```
;
;      COUNTRY: USA
;      ZIP: 02210
;
;      COMPUTER READABLE FORM:
;      MEDIUM TYPE: Diskette, 5.25 inch
;      COMPUTER: IBM compatible
;      OPERATING SYSTEM: MS-DOS Version 3.3
;      SOFTWARE: WordPerfect 5.1
;      CURRENT APPLICATION DATA:
;      APPLICATION NUMBER: US/08/441,971
;      FILING DATE: 16-MAY-1995
;      CLASSIFICATION: 435
;      PRIOR APPLICATION DATA:
;      APPLICATION NUMBER: US/08/221,653
;      FILING DATE:
;      APPLICATION NUMBER: US/07/881,528
;      FILING DATE:
;      APPLICATION NUMBER: 07/697,326
;      FILING DATE: 8 May 1991
;      ATTORNEY/AGENT INFORMATION:
;      NAME: Janiuk, Anthony J.
;      REGISTRATION NUMBER: 29,809
;      REFERENCE/DOCKET NUMBER: C0772/7000
;      TELECOMMUNICATION INFORMATION:
;      TELEPHONE: (617) 720-3500
;      TELEFAX: (617) 720-2441
;      TELEX: EZEKIEL
;      INFORMATION FOR SEQ ID NO: 50:
;      SEQUENCE CHARACTERISTICS:
;      LENGTH: 180 nucleotides
;      TYPE: nucleic acid
;      STRANDEDNESS: single
;      TOPOLOGY: linear
;      MOLECULE TYPE: DNA
;      ORIGINAL SOURCE:
;      INDIVIDUAL ISOLATE: sa3
;
;      US-08-441-971-50
;
;      Query Match      66.7%; Score 12; DB 3; Length 180;
;      Best Local Similarity 83.3%; Pred. No. 7.4e+02;
;      Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
;
;
;      Qy      1 GGGGUCCUGGAG 12
;      Db      34 GGGGTCTGGAG 23
;      ||||:|||||
;
;      RESULT 100
;      US-08-441-971-51/c
;      Sequence 51, Application US/08441971
;      Patent No. 6071693
;      GENERAL INFORMATION:
;      APPLICANT: Tai-An Cha
;      TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
;      DIAGNOSTICS AND THERAPEUTICS
;      NUMBER OF SEQUENCES: 147
;      CORRESPONDENCE ADDRESS:
;      ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
;      STREET: 600 Atlantic Avenue
;      CITY: Boston
;      STATE: Massachusetts
;      COUNTRY: USA
;      ZIP: 02210
;
;      COMPUTER READABLE FORM:
;      MEDIUM TYPE: Diskette, 5.25 inch
;      COMPUTER: IBM compatible
;      OPERATING SYSTEM: MS-DOS Version 3.3
;      SOFTWARE: WordPerfect 5.1
;      CURRENT APPLICATION DATA:
;      APPLICATION NUMBER: US/08/441,971
;      FILING DATE: 16-MAY-1995
;      CLASSIFICATION: 435
;      PRIOR APPLICATION DATA:
;      APPLICATION NUMBER: US/08/221,653
```

```
/ FILING DATE: US/07/881,528
/ APPLICATION NUMBER: US/07/881,528
/ FILING DATE: 07/697,326
/ APPLICATION NUMBER: 07/697,326
/ FILING DATE: 8 May 1991
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Janiuk, Anthony J.
/ REGISTRATION NUMBER: 29,809
/ REFERENCE/DOCKET NUMBER: C0772/7000
/ TELEPHONE: (617) 720-3500
/ TELEFAX: (617) 720-2441
/ TELEX: EZEKIEL
/ INFORMATION FOR SEQ ID NO: 51:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 180 nucleotides
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA
/ ORIGINAL SOURCE: sa4
/ INDIVIDUAL ISOLATE: sa4
/
US-08-441-971-51

Query Match 66.7%; Score 12; DB 3; Length 180;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 34 GGGTCCTGGAG 23

RESULT 101
US-08-221-653-50/c
; Sequence 50, Application US/08221653
; Patent No. 6190864
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 50:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 180 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE: sa4
; INDIVIDUAL ISOLATE: sa4
/
US-08-221-653-50

Query Match 66.7%; Score 12; DB 3; Length 180;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 34 GGGTCCTGGAG 23

RESULT 101
US-08-221-653-50/c
; Sequence 50, Application US/08221653
; Patent No. 6190864
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 50:
; SEQUENCE CHARACTERISTICS:
```

```
/ LENGTH: 180 nucleotides
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA
/ ORIGINAL SOURCE: sa3
/ INDIVIDUAL ISOLATE: sa3
/
US-08-221-653-50

Query Match 66.7%; Score 12; DB 3; Length 180;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 34 GGGTCCTGGAG 23

RESULT 102
US-08-221-653-51/c
; Sequence 51, Application US/08221653
; Patent No. 6190864
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 51:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 180 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE: sa4
; INDIVIDUAL ISOLATE: sa4
/
US-08-221-653-51

Query Match 66.7%; Score 12; DB 3; Length 180;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 34 GGGTCCTGGAG 12
```

```

Db      34 GGGGTCTGGAG 23

RESULT 103
US-08-442-144A-50/c
; Sequence 50, Application US/08442144A
; Patent No. 6214583
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; APPLICANT: Eileen Beall
; APPLICANT: Bruce Irvine
; APPLICANT: Janice Kolberg
; APPLICANT: Michael S. Urdea
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 148
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: California
; COUNTRY: USA
; ZIP: 94608-2916
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 Inch
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows NT
; SOFTWARE: Microsoft Word 97
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/442,144A
; FILING DATE: MAY 16, 1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/221,653
; FILING DATE: APRIL 1, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Doreen Yanko Trujillo
; REGISTRATION NUMBER: 35,719
; REFERENCE/DOCKET NUMBER: CHIR-0121
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-568-3100
; TELEFAX: 215-568-3439
; TELEX:
; INFORMATION FOR SEQ ID NO: 50:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 180 Nucleotides
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: sa3
US-08-442-144A-50

Query Match      66.7%; Score 12; DB 3; Length 180;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
        |||||:|:|:|
Db      34 GGGGTCTGGAG 23

RESULT 104
US-08-442-144A-51/c
; Sequence 51, Application US/08442144A
; Patent No. 6214583
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; APPLICANT: Eileen Beall
; APPLICANT: Bruce Irvine
; APPLICANT: Janice Kolberg
; APPLICANT: Michael S. Urdea
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 148
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: California
; COUNTRY: USA
; ZIP: 94608-2916
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 Inch
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows NT
; SOFTWARE: Microsoft Word 97
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/442,144A
; FILING DATE: MAY 16, 1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/221,653
; FILING DATE: APRIL 1, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Doreen Yanko Trujillo
; REGISTRATION NUMBER: 35,719
; REFERENCE/DOCKET NUMBER: CHIR-0121
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-568-3100
; TELEFAX: 215-568-3439
; TELEX:
; INFORMATION FOR SEQ ID NO: 51:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 180 Nucleotides
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: sa4
US-08-442-144A-51

Query Match      66.7%; Score 12; DB 3; Length 180;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
        |||||:|:|:|
Db      34 GGGGTCTGGAG 23

RESULT 105
US-08-441-970-50/c
; Sequence 50, Application US/08441970
; Patent No. 6297370
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441,970

```

;; FILING DATE: 16-MAY-1995
;; CLASSIFICATION: 536
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 07/881,528
;; FILING DATE: 08-MAY-1992
;; APPLICATION NUMBER: 07/697,326
;; FILING DATE: 8 May 1991
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Janiuk, Anthony J.
;; REGISTRATION NUMBER: 29,809
;; REFERENCE/DOCKET NUMBER: C0772/7000
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (617) 720-3500
;; TELEFAX: (617) 720-2441
;; TELEX: EZEKIEL
;; INFORMATION FOR SEQ ID NO: 50:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 180 nucleotides
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: DNA
;; ORIGINAL SOURCE:
;; INDIVIDUAL ISOLATE: sa3
US-08-441-970-50

Query Match 66.7%; Score 12; DB 3; Length 180;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 34 GGGGTCTGGAG 23

RESULT 106

US-08-441-970-51/c
;; Sequence 51, Application US/08441970
;; Patent No. 6297370
;; GENERAL INFORMATION:
;; APPLICANT: Tai-An Cha
;; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
;; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
;; NUMBER OF SEQUENCES: 147
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
;; STREET: 600 Atlantic Avenue
;; CITY: Boston
;; STATE: Massachusetts
;; COUNTRY: USA
;; ZIP: 02210
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Diskette, 5.25 inch
;; COMPUTER: IBM compatible
;; OPERATING SYSTEM: MS-DOS Version 3.3
;; SOFTWARE: WordPerfect 5.1
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/441,970
;; FILING DATE: 16-MAY-1995
;; CLASSIFICATION: 536
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 07/881,528
;; FILING DATE: 08-MAY-1992
;; APPLICATION NUMBER: 07/697,326
;; FILING DATE: 8 May 1991
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Janiuk, Anthony J.
;; REGISTRATION NUMBER: 29,809
;; REFERENCE/DOCKET NUMBER: C0772/7000
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (617) 720-3500
;; TELEFAX: (617) 720-2441
;; TELEX: EZEKIEL

;; INFORMATION FOR SEQ ID NO: 51:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 180 nucleotides
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: DNA
;; ORIGINAL SOURCE:
;; INDIVIDUAL ISOLATE: sa4
US-08-441-970-51

Query Match 66.7%; Score 12; DB 3; Length 180;
Best Local Similarity 83.3%; Pred. No. 7.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 34 GGGGTCTGGAG 23

RESULT 107

US-08-634-797-46/c
;; Sequence 46, Application US/08634797
;; Patent No. 5851759
;; GENERAL INFORMATION:
;; APPLICANT: WEINER, AMY J.
;; TITLE OF INVENTION: HETERO DUPLEX TRACKING ASSAY (HTA) FOR
;; TITLE OF INVENTION: GENOTYPING HCV
;; NUMBER OF SEQUENCES: 52
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Chiron Corporation
;; STREET: 4560 Horton Street - R440
;; CITY: Emeryville
;; STATE: California
;; COUNTRY: USA
;; ZIP: 94608-2916
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Patent In Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/634,797
;; FILING DATE: 19-APR-1996
;; CLASSIFICATION: 435
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Harbin, Alisa A.
;; REGISTRATION NUMBER: 33,895
;; REFERENCE/DOCKET NUMBER: 1226.001
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (510) 601-3274
;; TELEFAX: (510) 655-3542
;; TELEX: N/A
;; INFORMATION FOR SEQ ID NO: 46:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 194 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: DNA (genomic)
US-08-634-797-46

Query Match 66.7%; Score 12; DB 2; Length 194;
Best Local Similarity 83.3%; Pred. No. 7.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 56 GGGGTCTGGAG 45

RESULT 108

US-08-634-797-47/c

; Sequence 47, Application US/08634797
; Patent No. 5851759
; GENERAL INFORMATION:
; APPLICANT: WEINER, AMY J.
; TITLE OF INVENTION: HETERO DUPLEX TRACKING ASSAY (HTA) FOR
; TITLE OF INVENTION: GENOTYPING HCV
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street - R440
; CITY: Emeryville
; STATE: California
; COUNTRY: USA
; ZIP: 94608-2916
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/634,797
; FILING DATE: 19-APR-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Harbin, Alisa A.
; REGISTRATION NUMBER: 33,895
; REFERENCE/DOCKET NUMBER: 1226.001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 601-3274
; TELEFAX: (510) 655-3542
; TELEX: N/A
; INFORMATION FOR SEQ ID NO: 47:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 194 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-634-797-47

Query Match 66.7%; Score 12; DB 2; Length 194;
Best Local Similarity 83.3%; Pred. No. 7.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
||||:||||
Db 56 GGGGTCTGGAG 45

RESULT 109
US-08-634-797-48/c
; Sequence 48, Application US/08634797
; Patent No. 5851759
; GENERAL INFORMATION:
; APPLICANT: WEINER, AMY J.
; TITLE OF INVENTION: HETERO DUPLEX TRACKING ASSAY (HTA) FOR
; TITLE OF INVENTION: GENOTYPING HCV
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street - R440
; CITY: Emeryville
; STATE: California
; COUNTRY: USA
; ZIP: 94608-2916
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/634,797
; FILING DATE: 19-APR-1996

; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Harbin, Alisa A.
; REGISTRATION NUMBER: 33,895
; REFERENCE/DOCKET NUMBER: 1226.001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 601-3274
; TELEFAX: (510) 655-3542
; TELEX: N/A
; INFORMATION FOR SEQ ID NO: 48:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 194 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-634-797-48

Query Match 66.7%; Score 12; DB 2; Length 194;
Best Local Similarity 83.3%; Pred. No. 7.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
||||:||||
Db 56 GGGGTCTGGAG 45

RESULT 110
US-09-270-767-28457/c
; Sequence 28457, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 28457
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
US-09-270-767-28457

Query Match 66.7%; Score 12; DB 4; Length 201;
Best Local Similarity 83.3%; Pred. No. 7.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
||||:||||
Db 102 GGGGTCTGGAG 91

RESULT 111
US-09-513-999C-29549
; Sequence 29549, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; FILE REFERENCE: 59.US2.REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 29549
; LENGTH: 221


```
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-513-999C-29549

Query Match      66.7%; Score 12; DB 4; Length 221;
Best Local Similarity 83.3%; Pred. No. 7.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
   |||:|:|:|
Db 15 GGGGTCCTGGAG 26

RESULT 112
US-09-034-205-37/c
; Sequence 37, Application US/09034205
; Patent No. 6194149
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
; TITLE OF INVENTION: STRUCTURE-BRIDGING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/034,205
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-03268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-09-034-205-37

Query Match      66.7%; Score 12; DB 3; Length 232;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
   |||:|:|:|
Db 47 GGGGTCCTGGAG 36

RESULT 113
US-08-934-097A-37/c
; Sequence 37, Application US/08934097A
; Patent No. 6210880
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
; TITLE OF INVENTION: STRUCTURE-BRIDGING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/934,097A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-08-934-097A-37

Query Match      66.7%; Score 12; DB 3; Length 232;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
   |||:|:|:|
Db 47 GGGGTCCTGGAG 36

RESULT 114
US-08-851-588-37/c
; Sequence 37, Application US/08851588
; Patent No. 6214545
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Prudent, James R.
; APPLICANT: Dahlberg, James E.
; APPLICANT: Fors, Lance
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; TITLE OF INVENTION: Structure Probing
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/934,097A
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-08-934-097A-37

Query Match      66.7%; Score 12; DB 3; Length 232;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
   |||:|:~:~:~
Db 47 GGGGTCCTGGAG 36
```

```
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,588
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02777
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-08-851-588-37

Query Match 66.7%; Score 12; DB 3; Length 232;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 47 GGGGTCTCTGGAG 36

RESULT 115
US-09-677-218B-37/c
; Sequence 37, Application US/09677218B
; Patent No. 6355437
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
; FILE REFERENCE: FORS-04708
; CURRENT APPLICATION NUMBER: US/09/677,192
; CURRENT FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 09/034,205
; PRIOR FILING DATE: 1998-03-03
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 37
; LENGTH: 232
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-09-677-192-37

Query Match 66.7%; Score 12; DB 3; Length 232;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 47 GGGGTCTCTGGAG 36

RESULT 116
US-09-677-192-37/c
; Sequence 37, Application US/09677192
; Patent No. 6358691
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING STRUCTURE-BRIDGING
; FILE REFERENCE: FORS-04708
; CURRENT APPLICATION NUMBER: US/09/677,192
; CURRENT FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 09/034,205
; PRIOR FILING DATE: 1998-03-03
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 37
; LENGTH: 232
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-09-677-192-37

Query Match 66.7%; Score 12; DB 3; Length 232;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 47 GGGGTCTCTGGAG 36

RESULT 117
US-09-402-618B-37/c
; Sequence 37, Application US/09402618B
; Patent No. 6709815
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/09/402,618B
; CURRENT FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 37
; LENGTH: 232
; TYPE: DNA
```

```
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,588
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02777
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-08-851-588-37

Query Match 66.7%; Score 12; DB 3; Length 232;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 47 GGGGTCTCTGGAG 36

RESULT 116
US-09-677-192-37/c
; Sequence 37, Application US/09677192
; Patent No. 6358691
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING STRUCTURE-BRIDGING
; FILE REFERENCE: FORS-04708
; CURRENT APPLICATION NUMBER: US/09/677,192
; CURRENT FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 09/034,205
; PRIOR FILING DATE: 1998-03-03
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 37
; LENGTH: 232
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-09-677-192-37

Query Match 66.7%; Score 12; DB 3; Length 232;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 47 GGGGTCTCTGGAG 36

RESULT 117
US-09-402-618B-37/c
; Sequence 37, Application US/09402618B
; Patent No. 6709815
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/09/402,618B
; CURRENT FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 37
; LENGTH: 232
; TYPE: DNA
```

```
; ORGANISM: Hepatitis C virus
US-09-402-618B-37

Query Match      66.7%; Score 12; DB 4; Length 232;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 47 GGGGTCTCGGAG 36

RESULT 118
US-09-825-574-37/c
; Sequence 37, Application US/09825574
; Patent No. 6709819
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
;           Brow, Mary Ann D.
;           Fors, Lance
;           Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
;                   Structure Probing With Structure-Bridging
;                   Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/825,574
; FILING DATE: 03-Apr-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/934,097
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 37:
US-09-825-574-37

Query Match      66.7%; Score 12; DB 4; Length 232;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 47 GGGGTCTCGGAG 36

RESULT 119
US-09-676-768-37/c

; Sequence 37, Application US/09676768
; Patent No. 6780585
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
;           Lyamichev, Victor I.
;           Prudent, James R.
;           Dahlberg, James E.
;           Fors, Lance
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
;                   Structure Probing
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/676,768
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,588
; FILING DATE: 05-May-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02777
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 37:
US-09-676-768-37

Query Match      66.7%; Score 12; DB 4; Length 232;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 47 GGGGTCTCGGAG 36

RESULT 120
US-09-034-205-32/c
; Sequence 32, Application US/09034205
; Patent No. 6194149
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
;           Brow, Mary Ann D.
;           Fors, Lance
;           Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
;                   STRUCTURE-BRIDGING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
```

```
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/034,205
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-03268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 239 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-09-034-205-32

Query Match 66.7%; Score 12; DB 3; Length 239;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 54 GGGGTCCTGGAG 43

RESULT 121
US-09-034-205-36/c
; Sequence 36, Application US/09034205
; Patent No. 6194149
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
; TITLE OF INVENTION: STRUCTURE-BRIDGING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/034,205
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-03268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
```

```
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 239 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-09-034-205-36

Query Match 66.7%; Score 12; DB 3; Length 239;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 54 GGGGTCCTGGAG 43

RESULT 122
US-08-934-097A-32/c
; Sequence 32, Application US/08934097A
; Patent No. 6210880
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; TITLE OF INVENTION: Structure Probing With Structure-Bridging
; TITLE OF INVENTION: Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/934,097A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 239 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-08-934-097A-32

Query Match 66.7%; Score 12; DB 3; Length 239;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 54 GGGGTCCTGGAG 43
```

```
RESULT 123
US-08-934-097A-36/c
; Sequence 36, Application US/08934097A
; Patent No. 6210880
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; TITLE OF INVENTION: Structure Probing With Structure-Bridging
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/934,097A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 239 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-08-934-097A-36
Query Match 66.7%; Score 12; DB 3; Length 239;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
DB 54 GGGGTCCTGGAG 43

RESULT 124
US-08-851-588-32/c
; Sequence 32, Application US/08851588
; Patent No. 6214545
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Frudent, James R.
; APPLICANT: Dahlberg, James E.
; APPLICANT: Fors, Lance
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; TITLE OF INVENTION: Structure Probing
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,588
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02777
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
```

```
STATE: CA
COUNTRY: USA
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/851,588
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Ingolia, Diane E.
REGISTRATION NUMBER: 40,027
REFERENCE/DOCKET NUMBER: FORS-02777
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 705-8410
TELEFAX: (415) 397-8338
INFORMATION FOR SEQ ID NO: 32:
SEQUENCE CHARACTERISTICS:
LENGTH: 239 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "DNA"
US-08-851-588-32
Query Match 66.7%; Score 12; DB 3; Length 239;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
DB 54 GGGGTCCTGGAG 43

RESULT 125
US-08-851-588-36/c
; Sequence 36, Application US/08851588
; Patent No. 6214545
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Frudent, James R.
; APPLICANT: Dahlberg, James E.
; APPLICANT: Fors, Lance
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; TITLE OF INVENTION: Structure Probing
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,588
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02777
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
```

TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 239 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-08-851-588-36

Query Match 66.7%; Score 12; DB 3; Length 239;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
|||:|:|:|
Db 54 GGGTCTCGGAG 43

RESULT 126

US-09-677-218B-32/c
; Sequence 32, Application US/09677218B
; Patent No. 6355437
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; Fors, Lance
; Neri, Bruce P.

; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
; STRUCTURE-BRIDGING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/677,218B
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/034,205
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-03268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338

; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 239 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 32:
US-09-677-218B-32

Query Match 66.7%; Score 12; DB 3; Length 239;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
|||:|:|:|
Db 54 GGGTCTCGGAG 43

RESULT 127

US-09-677-218B-36/c
; Sequence 36, Application US/09677218B
; Patent No. 6355437
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; Fors, Lance
; Neri, Bruce P.

; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
; STRUCTURE-BRIDGING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/677,218B
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/034,205
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-03268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338

; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 239 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 36:
US-09-677-218B-36

Query Match 66.7%; Score 12; DB 3; Length 239;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
|||:|:~|:|
Db 54 GGGTCTCGGAG 43

RESULT 128

US-09-677-192-32/c
; Sequence 32, Application US/09677192
; Patent No. 6358891
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.

; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING STRUCTURE-BRIDGING

; TITLE OF INVENTION: OLIGONUCLEOTIDES
; FILE REFERENCE: FORS-04708
; CURRENT APPLICATION NUMBER: US/09/677,192
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 09/034,205
; PRIOR FILING DATE: 1998-03-03
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 32
; LENGTH: 239
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-09-677-192-32

Query Match 66.7%; Score 12; DB 3; Length 239;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
|||:|:|:|
Db 54 GGGGTCCTGGAG 43

RESULT 129

US-09-677-192-36/c
; Sequence 36, Application US/09677192
; Patent No. 6358691
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING STRUCTURE-BRIDGING
; FILE REFERENCE: FORS-04708
; CURRENT APPLICATION NUMBER: US/09/677,192
; CURRENT FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 09/034,205
; PRIOR FILING DATE: 1998-03-03
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 36
; LENGTH: 239
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-09-677-192-36

Query Match 66.7%; Score 12; DB 3; Length 239;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
|||:|:|:|
Db 54 GGGGTCCTGGAG 43

RESULT 130

US-09-402-618B-32/c
; Sequence 32, Application US/09402618B
; Patent No. 6709815
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/09/402,618B
; CURRENT FILING DATE: 2000-07-18

; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 32
; LENGTH: 239
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-09-402-618B-32

Query Match 66.7%; Score 12; DB 4; Length 239;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
|||:|:|:|
Db 54 GGGGTCCTGGAG 43

RESULT 131

US-09-402-618B-36/c
; Sequence 36, Application US/09402618B
; Patent No. 6709815
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/09/402,618B
; CURRENT FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 36
; LENGTH: 239
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-09-402-618B-36

Query Match 66.7%; Score 12; DB 4; Length 239;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
|||:|:~:|:|
Db 54 GGGGTCCTGGAG 43

RESULT 132

US-09-825-574-32/c
; Sequence 32, Application US/09825574
; Patent No. 6709819
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Neri, Bruce P.
; APPLICANT: Fors, Lance
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
Structure Probing With Structure-Bridging Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESS: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA

```
;
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/825,574
; FILING DATE: 03-Apr-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/934,097
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 239 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 32:
US-09-825-574-32

Query Match 66.7%; Score 12; DB 4; Length 239;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
|||:|:|:|
Db 54 GGGGTCTTGGAG 43

RESULT 133
US-09-825-574-36/c
; Sequence 36, Application US/09825574
; Patent No. 6709819
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; Fors, Lance
; Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; Structure Probing With Structure-Bridging
; Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/825,574
; FILING DATE: 03-Apr-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/934,097
; FILING DATE: <Unknown>
```

```
;
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 239 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 36:
US-09-825-574-36

Query Match 66.7%; Score 12; DB 4; Length 239;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
|||:|:|:|
Db 54 GGGGTCTTGGAG 43

RESULT 134
US-09-676-768-32/c
; Sequence 32, Application US/09676768
; Patent No. 6780585
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; Lyamichev, Victor I.
; Prudent, James R.
; Dahlberg, James E.
; Fors, Lance
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; Structure Probing
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/676,768
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,588
; FILING DATE: 05-May-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02777
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 239 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
```



```
/
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 32:
US-09-676-768-32

Query Match          66.7%; Score 12; DB 4; Length 239;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
Db      54 GGGGTCCTGGAG 43

RESULT 135
US-09-676-768-36/c
; Sequence 36, Application US/09676768
; Patent No. 6780585
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
;               Lyamichiev, Victor I.
;               prudent, James R.
;               Dahlberg, James E.
;               Fors, Lance
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
;               Structure Probing
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/676,768
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,588
; FILING DATE: 05-May-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02777
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 239 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 36:
US-09-676-768-36

Query Match          66.7%; Score 12; DB 4; Length 239;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
Db      54 GGGGTCCTGGAG 43

RESULT 136

/
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 32:
US-09-676-768-32

Query Match          66.7%; Score 12; DB 4; Length 239;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
Db      54 GGGGTCCTGGAG 43

RESULT 137
US-09-034-205-38/c
; Sequence 38, Application US/09034205
; Patent No. 6194149
; GENERAL INFORMATION:
; APPLICANT: Lyamichiev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
;               STRUCTURE-BRIDGING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/034,205
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-03268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 33:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 240 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-09-034-205-33

Query Match          66.7%; Score 12; DB 3; Length 240;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
Db      55 GGGGTCCTGGAG 44

RESULT 137
US-09-034-205-38/c
; Sequence 38, Application US/09034205
; Patent No. 6194149
; GENERAL INFORMATION:
; APPLICANT: Lyamichiev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
;               STRUCTURE-BRIDGING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
```

; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/034,205
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-03268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 240 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-09-034-205-38

Query Match 66.7%; Score 12; DB 3; Length 240;
Best Local Similarity 83.3%; Pred. NO. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
| | | | | | | | | |
DB 56 GGGGTCTGGAG 45

RESULT 138
US-08-934-097A-33/c
; Sequence 33, Application US/08934097A
; Patent No. 6210880
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; TITLE OF INVENTION: Structure Probing With Structure-Bridging
; TITLE OF INVENTION: Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/934,097A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 33:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 240 base pairs

; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-08-934-097A-33

Query Match 66.7%; Score 12; DB 3; Length 240;
Best Local Similarity 83.3%; Pred. NO. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
| | | | | | | | | |
DB 55 GGGGTCTGGAG 44

RESULT 139
US-08-934-097A-38/c
; Sequence 38, Application US/08934097A
; Patent No. 6210880
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; TITLE OF INVENTION: Structure Probing With Structure-Bridging
; TITLE OF INVENTION: Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/934,097A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 240 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"

Query Match 66.7%; Score 12; DB 3; Length 240;
Best Local Similarity 83.3%; Pred. NO. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
| | | | | | | | | |
DB 56 GGGGTCTGGAG 45

RESULT 140
US-08-851-588-33/c

```
; Sequence 33, Application US/08851588
; Patent No. 6214545
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Prudent, James R.
; APPLICANT: Dahlberg, James E.
; APPLICANT: Fors, Lance
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,588
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02777
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 33:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 240 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; US-08-851-588-33

Query Match 66.7%; Score 12; DB 3; Length 240;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 55 GGGGTCCTGGAG 44

RESULT 141
US-08-851-588-38/c
; Sequence 38, Application US/08851588
; Patent No. 6214545
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Prudent, James R.
; APPLICANT: Dahlberg, James E.
; APPLICANT: Fors, Lance
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
```

```
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,588
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02777
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 240 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; US-08-851-588-38

Query Match 66.7%; Score 12; DB 3; Length 240;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 56 GGGGTCCTGGAG 45

RESULT 142
US-09-677-218B-33/c
; Sequence 33, Application US/09677218B
; Patent No. 6355437
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
; STRUCTURE-BRIDGING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/677,218B
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/034,205
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-03268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
```

Query Match 66.7%; Score 12; DB 3; Length 240;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels

US-09-402-618B-33/c

; Sequence 33, Application US/09402618B
; Patent No. 6709815
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichiev, Victor I.
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/09/402,618B
; CURRENT FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 33
; TYPE: DNA
; LENGTH: 240
; ORGANISM: Hepatitis C virus
; US-09-402-618B-33

Query Match 66.7%; Score 12; DB 4; Length 240;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
||||:||||
Db 55 GGGGTCTTGAG 44

RESULT 147
US-09-402-618B-38/c
; Sequence 38, Application US/09402618B
; Patent No. 6709815
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichiev, Victor I.
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/09/402,618B
; CURRENT FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 38
; TYPE: DNA
; LENGTH: 240
; ORGANISM: Hepatitis C virus
; US-09-402-618B-38

Query Match 66.7%; Score 12; DB 4; Length 240;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
||||:||||
Db 56 GGGGTCTTGAG 45

RESULT 148
US-09-825-574-33/c
; Sequence 33, Application US/09825574

; Patent No. 6709819
; GENERAL INFORMATION:
; APPLICANT: Lyamichiev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; Structure Probing With Structure-Bridging
; Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/825,574
; FILING DATE: 03-Apr-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/934,097
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 33:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 240 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 33:
US-09-825-574-33

Query Match 66.7%; Score 12; DB 4; Length 240;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
||||:||||
Db 55 GGGGTCTTGAG 44

RESULT 149
US-09-825-574-38/c
; Sequence 38, Application US/09825574
; Patent No. 6709819
; GENERAL INFORMATION:
; APPLICANT: Lyamichiev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; Structure Probing With Structure-Bridging
; Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco

```

;
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/825,574
; FILING DATE: 03-Apr-2001
; CLASSIFICATION: <Unknown>
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/934,097
; FILING DATE: <Unknown>
;
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
;
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 240 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 38:
;
; US-09-825-574-38
;
; Query Match 66.7%; Score 12; DB 4; Length 240;
; Best Local Similarity 83.3%; Pred. No. 7.2e+02;
; Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
;
;
; QY 1 GGGGUCCUGGAG 12
; Db 56 GGGGTCCTGGAG 45
;
; RESULT 150
; US-09-676-768-33/c
; Sequence 33, Application US/09676768
; Patent No. 6780585
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; Lyamichev, Victor I.
; Prudent, James R.
; Dahlberg, James E.
; Fors, Lance
;
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; Structure Probing
;
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/676,768
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: 435
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,588
; FILING DATE: 05-May-1997
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02777
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
;
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 240 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
;
;
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/676,768
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: 435
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,588
; FILING DATE: 05-May-1997
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02777
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
;
; INFORMATION FOR SEQ ID NO: 33:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 240 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 33:
;
; US-09-676-768-33
;
; Query Match 66.7%; Score 12; DB 4; Length 240;
; Best Local Similarity 83.3%; Pred. No. 7.2e+02;
; Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
;
;
; QY 1 GGGGUCCUGGAG 12
; Db 55 GGGGTCCTGGAG 44
;
; RESULT 151
; US-09-676-768-38/c
; Sequence 38, Application US/09676768
; Patent No. 6780585
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; Lyamichev, Victor I.
; Prudent, James R.
; Dahlberg, James E.
; Fors, Lance
;
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; Structure Probing
;
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/676,768
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: 435
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,588
; FILING DATE: 05-May-1997
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02777
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
;
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 240 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
;
;
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/676,768
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: 435
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,588
; FILING DATE: 05-May-1997
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02777
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
;
; INFORMATION FOR SEQ ID NO: 33:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 240 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 33:
;
; US-09-676-768-33

```

```
/ MOLECULE TYPE: other nucleic acid
/ DESCRIPTION: /desc = "DNA"
/ SEQUENCE DESCRIPTION: SEQ ID NO: 38:
US-09-676-768-38

Query Match      66.7%; Score 12; DB 4; Length 240;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 56 GGGGTCCTGGAG 45

RESULT 152
US-08-335-595-1/c
/ Sequence 1, Application US/08335595
/ Patent No. 5914228
/ GENERAL INFORMATION:
/ APPLICANT: VIERLING, JOHN M
/ APPLICANT: HU, KE-QIN
/ TITLE OF INVENTION: DIRECT DETECTION OF HEPATITIS C VIRUS
/ NUMBER OF SEQUENCES: 1
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: LYON & LYON
/ STREET: 611 WEST 6TH STREET
/ CITY: LOS ANGELES
/ STATE: CALIFORNIA
/ COUNTRY: USA
/ ZIP: 90017
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/335,595
/ FILING DATE: 08-NOV-1994
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US/08/175,473
/ FILING DATE:
/ APPLICATION NUMBER: US/07/758,862
/ FILING DATE:
/ ATTORNEY/AGENT INFORMATION:
/ NAME: SCHNEIDER, CAROL A
/ REGISTRATION NUMBER: 34,923
/ REFERENCE/DOCKET NUMBER: 194/285
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 213-489-1600
/ TELEFAX: 213-955-0440
/ INFORMATION FOR SEQ ID NO: 1:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 242 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA (genomic)
US-08-335-595-1

Query Match      66.7%; Score 12; DB 2; Length 242;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 100 GGGGTCCTGGAG 89

RESULT 153
US-09-034-205-26/c
/ Sequence 26, Application US/09034205
/ Patent No. 6194149
/ GENERAL INFORMATION:
/ APPLICANT: Lyamichev, Victor I.
/ APPLICANT: Brow, Mary Ann D.
/ APPLICANT: Fors, Lance
/ APPLICANT: Neri, Bruce P.
/ TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
/ STRUCTURE-BRIDGING OLIGONUCLEOTIDES
/ NUMBER OF SEQUENCES: 68
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: MEDLEN & CARROLL, LLP
/ STREET: 220 Montgomery Street, Suite 2200
/ CITY: San Francisco
/ STATE: CA
/ COUNTRY: USA
/ ZIP: 94104
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
```

```
/ GENERAL INFORMATION:
/ APPLICANT: Lyamichev, Victor I.
/ APPLICANT: Brow, Mary Ann D.
/ APPLICANT: Fors, Lance
/ APPLICANT: Neri, Bruce P.
/ TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
/ STRUCTURE-BRIDGING OLIGONUCLEOTIDES
/ NUMBER OF SEQUENCES: 68
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: MEDLEN & CARROLL, LLP
/ STREET: 220 Montgomery Street, Suite 2200
/ CITY: San Francisco
/ STATE: CA
/ COUNTRY: USA
/ ZIP: 94104
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/034,205
/ FILING DATE:
/ CLASSIFICATION:
/ ATTORNEY/AGENT INFORMATION:
/ NAME: MacKnight, Kamrin T.
/ REGISTRATION NUMBER: 38,230
/ REFERENCE/DOCKET NUMBER: FORS-03268
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 705-8410
/ TELEFAX: (415) 397-8338
/ INFORMATION FOR SEQ ID NO: 26:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 244 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ MOLECULE TYPE: other nucleic acid
/ DESCRIPTION: /desc = "DNA"
US-09-034-205-26

Query Match      66.7%; Score 12; DB 3; Length 244;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 56 GGGGTCCTGGAG 45

RESULT 154
US-09-034-205-29/c
/ Sequence 29, Application US/09034205
/ Patent No. 6194149
/ GENERAL INFORMATION:
/ APPLICANT: Lyamichev, Victor I.
/ APPLICANT: Brow, Mary Ann D.
/ APPLICANT: Fors, Lance
/ APPLICANT: Neri, Bruce P.
/ TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
/ STRUCTURE-BRIDGING OLIGONUCLEOTIDES
/ NUMBER OF SEQUENCES: 68
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: MEDLEN & CARROLL, LLP
/ STREET: 220 Montgomery Street, Suite 2200
/ CITY: San Francisco
/ STATE: CA
/ COUNTRY: USA
/ ZIP: 94104
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
```

```
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/034,205
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-03268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-09-034-205-29
```

```
Query Match 66.7%; Score 12; DB 3; Length 244;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 GGGGUCCUGGAG 12
   ||||:||||
Db 56 GGGGTCTGGAG 45
```

```
RESULT 155
US-09-034-205-31/c
; Sequence 31, Application US/09034205
; Patent No. 6194149
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/034,205
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-03268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
```

```
; DESCRIPTION: /desc = "DNA"
US-09-034-205-31
```

```
Query Match 66.7%; Score 12; DB 3; Length 244;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 GGGGUCCUGGAG 12
   ||||:||||
Db 55 GGGGTCTGGAG 44
```

```
RESULT 156
US-08-934-097A-26/c
; Sequence 26, Application US/08934097A
; Patent No. 6210880
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; TITLE OF INVENTION: Structure Probing With Structure-Bridging
; TITLE OF INVENTION: Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/934,097A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-08-934-097A-26
```

```
Query Match 66.7%; Score 12; DB 3; Length 244;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 GGGGUCCUGGAG 12
   ||||:||||
Db 56 GGGGTCTGGAG 45
```

```
RESULT 157
US-08-934-097A-29/c
; Sequence 29, Application US/08934097A
; Patent No. 6210880
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
```



```
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; TITLE OF INVENTION: Structure Probing With Structure-Bridging
; TITLE OF INVENTION: Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSES: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/934,097A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
;
US-08-934-097A-29

Query Match 66.7%; Score 12; DB 3; Length 244;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
   |||:|:|:|
Db 56 GGGGTCTGGAG 45

RESULT 158
US-08-934-097A-31/c
; Sequence 31, Application US/08934097A
; Patent No. 6210880
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; TITLE OF INVENTION: Structure Probing With Structure-Bridging
; TITLE OF INVENTION: Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSES: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/934,097A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02777
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
```

```
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/934,097A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
;
US-08-934-097A-31

Query Match 66.7%; Score 12; DB 3; Length 244;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
   |||:|:|:|
Db 55 GGGGTCTGGAG 44

RESULT 159
US-08-851-588-26/c
; Sequence 26, Application US/08851588
; Patent No. 6214545
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Prudent, James R.
; APPLICANT: Dahlberg, James E.
; APPLICANT: Fors, Lance
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; TITLE OF INVENTION: Structure Probing
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSES: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,588
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02777
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
```

```
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-08-851-588-26

Query Match          66.7%; Score 12; DB 3; Length 244;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
   |||||:||||
Db 56 GGGGTCTGGAG 45

RESULT 160
US-08-851-588-29/c
; Sequence 29, Application US/08851588
; Patent No. 6214545
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Prudent, James R.
; APPLICANT: Dahlberg, James E.
; APPLICANT: Fors, Lance
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; TITLE OF INVENTION: Structure Probing
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,588
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02777
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 38
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-08-851-588-29

Query Match          66.7%; Score 12; DB 3; Length 244;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
   |||||:||||
Db 56 GGGGTCTGGAG 45

RESULT 161
US-08-851-588-31/c
; Sequence 31, Application US/08851588
; Patent No. 6214545
; GENERAL INFORMATION:
```

```
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Prudent, James R.
; APPLICANT: Dahlberg, James E.
; APPLICANT: Fors, Lance
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; TITLE OF INVENTION: Structure Probing
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,588
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02777
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 31
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-08-851-588-31

Query Match          66.7%; Score 12; DB 3; Length 244;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
   |||||:||||
Db 55 GGGGTCTGGAG 44

RESULT 162
US-09-677-218B-26/c
; Sequence 26, Application US/09677218B
; Patent No. 6355437
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; APPLICANT: Brow, Mary Ann D.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
; STRUCTURE-BRIDGING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
```

```
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/09/677,218B
;   FILING DATE: 02-Oct-2000
;   CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 09/034,205
;   FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
;   NAME: MacKnight, Kamrin T.
;   REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-03268
; TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (415) 705-8410
;   TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 26:
;   LENGTH: 244 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: double
;   TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 26:
US-09-677-218B-26

Query Match      66.7%; Score 12; DB 3; Length 244;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
        |||||:|:|
Db      56 GGGGCTCTGGAG 45

RESULT 163
US-09-677-218B-29/c
; Sequence 29, Application US/09677218B
; Patent No. 6355437
; GENERAL INFORMATION:
;   APPLICANT: Lyamichev, Victor I.
;             Brow, Mary Ann D.
;             Fors, Lance
;             Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
;                   STRUCTURE-BRIDGING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
;   ADDRESSEE: MEDLEN & CARROLL, LLP
;   STREET: 220 Montgomery Street, Suite 2200
;   CITY: San Francisco
;   STATE: CA
;   COUNTRY: USA
;   ZIP: 94104
; COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/09/677,218B
;   FILING DATE: 02-Oct-2000
;   CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 09/034,205
;   FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
;   NAME: MacKnight, Kamrin T.
;   REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-03268
; TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (415) 705-8410
;   TELEFAX: (415) 397-8338
```

```
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 244 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: double
;   TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 29:
US-09-677-218B-29

Query Match      66.7%; Score 12; DB 3; Length 244;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
        |||||:|:|
Db      56 GGGGCTCTGGAG 45

RESULT 164
US-09-677-218B-31/c
; Sequence 31, Application US/09677218B
; Patent No. 6355437
; GENERAL INFORMATION:
;   APPLICANT: Lyamichev, Victor I.
;             Brow, Mary Ann D.
;             Fors, Lance
;             Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
;                   STRUCTURE-BRIDGING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
;   ADDRESSEE: MEDLEN & CARROLL, LLP
;   STREET: 220 Montgomery Street, Suite 2200
;   CITY: San Francisco
;   STATE: CA
;   COUNTRY: USA
;   ZIP: 94104
; COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/09/677,218B
;   FILING DATE: 02-Oct-2000
;   CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 09/034,205
;   FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
;   NAME: MacKnight, Kamrin T.
;   REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-03268
; TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (415) 705-8410
;   TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 244 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: double
;   TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 31:
US-09-677-218B-31

Query Match      66.7%; Score 12; DB 3; Length 244;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

Qy 1 GGGGUCCUGGAG 12
||||:|:|
Db 55 GGGTCCTGGAG 44

RESULT 165

US-09-677-192-26/c

; Sequence 26, Application US/09677192

; Patent No. 6358691

; GENERAL INFORMATION:

; APPLICANT: Lyamichev, Victor I.

; APPLICANT: Brow, Mary Ann D.

; APPLICANT: Fors, Lance

; APPLICANT: Neri, Bruce P.

; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING STRUCTURE-BRIDGING

; TITLE OF INVENTION: OLIGONUCLEOTIDES

; FILE REFERENCE: FORS-04708

; CURRENT APPLICATION NUMBER: US/09/677,192

; CURRENT FILING DATE: 2000-10-02

; PRIOR APPLICATION NUMBER: 09/034,205

; PRIOR FILING DATE: 1998-03-03

; NUMBER OF SEQ ID NOS: 68

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 26

; LENGTH: 244

; TYPE: DNA

; ORGANISM: Hepatitis C virus

US-09-677-192-26

Query Match 66.7%; Score 12; DB 3; Length 244;

Best Local Similarity 83.3%; Pred. No. 7.2e+02;

Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
||||:|:|
Db 56 GGGTCCTGGAG 45

RESULT 166

US-09-677-192-29/c

; Sequence 29, Application US/09677192

; Patent No. 6358691

; GENERAL INFORMATION:

; APPLICANT: Lyamichev, Victor I.

; APPLICANT: Brow, Mary Ann D.

; APPLICANT: Fors, Lance

; APPLICANT: Neri, Bruce P.

; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING STRUCTURE-BRIDGING

; TITLE OF INVENTION: OLIGONUCLEOTIDES

; FILE REFERENCE: FORS-04708

; CURRENT APPLICATION NUMBER: US/09/677,192

; CURRENT FILING DATE: 2000-10-02

; PRIOR APPLICATION NUMBER: 09/034,205

; PRIOR FILING DATE: 1998-03-03

; NUMBER OF SEQ ID NOS: 68

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 29

; LENGTH: 244

; TYPE: DNA

; ORGANISM: Hepatitis C virus

US-09-677-192-29

Query Match 66.7%; Score 12; DB 3; Length 244;

Best Local Similarity 83.3%; Pred. No. 7.2e+02;

Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
||||:|:|
Db 56 GGGTCCTGGAG 45

RESULT 167

US-09-677-192-31/c

; Sequence 31, Application US/09677192

; Patent No. 6358691

; GENERAL INFORMATION:

; APPLICANT: Lyamichev, Victor I.

; APPLICANT: Brow, Mary Ann D.

; APPLICANT: Fors, Lance

; APPLICANT: Neri, Bruce P.

; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING STRUCTURE-BRIDGING

; TITLE OF INVENTION: OLIGONUCLEOTIDES

; FILE REFERENCE: FORS-04708

; CURRENT APPLICATION NUMBER: US/09/677,192

; CURRENT FILING DATE: 2000-10-02

; PRIOR APPLICATION NUMBER: 09/034,205

; PRIOR FILING DATE: 1998-03-03

; NUMBER OF SEQ ID NOS: 68

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 31

; LENGTH: 244

; TYPE: DNA

; ORGANISM: Hepatitis C virus

US-09-677-192-31

Query Match 66.7%; Score 12; DB 3; Length 244;

Best Local Similarity 83.3%; Pred. No. 7.2e+02;

Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
||||:|:|
Db 55 GGGTCCTGGAG 44

RESULT 168

US-09-402-618B-26/c

; Sequence 26, Application US/09402618B

; Patent No. 6709815

; GENERAL INFORMATION:

; APPLICANT: Dong, Fang

; APPLICANT: Lyamichev, Victor

; APPLICANT: Prudent, James

; APPLICANT: Fors, Lance

; APPLICANT: Neri, Bruce

; APPLICANT: Brow, Mary Ann

; APPLICANT: Anderson, Todd

; APPLICANT: Dahlberg, James

; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides

; FILE REFERENCE: FORS-04012

; CURRENT APPLICATION NUMBER: US/09/402,618B

; CURRENT FILING DATE: 2000-07-18

; PRIOR APPLICATION NUMBER: PCT/US98/03194

; PRIOR FILING DATE: 1998-05-05

; NUMBER OF SEQ ID NOS: 128

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 26

; LENGTH: 244

; TYPE: DNA

; ORGANISM: Hepatitis C virus

US-09-402-618B-26

Query Match 66.7%; Score 12; DB 4; Length 244;

Best Local Similarity 83.3%; Pred. No. 7.2e+02;

Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
||||:|:|
Db 56 GGGTCCTGGAG 45

; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/09/402,618B
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 29
; LENGTH: 244
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-09-402-618B-29

Query Match 66.7%; Score 12; DB 4; Length 244;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
||||:|:|:|
Db 56 GGGTCCTGGAG 45

RESULT 170

US-09-402-618B-31/c
; Sequence 31, Application US/09402618B
; Patent No. 6709815
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/09/402,618B
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 31
; LENGTH: 244
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-09-402-618B-31

Query Match 66.7%; Score 12; DB 4; Length 244;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
||||:|:|:|
Db 55 GGGTCCTGGAG 44

RESULT 171

US-09-402-618B-124
; Sequence 124, Application US/09402618B
; Patent No. 6709815
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor

; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/09/402,618B
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 124
; LENGTH: 244
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-09-402-618B-124

Query Match 66.7%; Score 12; DB 4; Length 244;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
||||:|:|:|
Db 189 GGGTCCTGGAG 200

RESULT 172

US-09-402-618B-127
; Sequence 127, Application US/09402618B
; Patent No. 6709815
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/09/402,618B
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 127
; LENGTH: 244
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-09-402-618B-127

Query Match 66.7%; Score 12; DB 4; Length 244;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
||||:|:~|:|:|
Db 189 GGGTCCTGGAG 200

RESULT 173

US-09-402-618B-128
; Sequence 128, Application US/09402618B
; Patent No. 6709815
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James

```
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/09/402,618B
; CURRENT FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 128
; LENGTH: 244
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-09-402-618B-128

Query Match      66.7%; Score 12; DB 4; Length 244;
Best Local Similarity 100.0%; Pred. No. 7.2e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GGGGUCCUGGAG 12
        |||||:|||||
Db      189 GGGGUCCUGGAG 200

RESULT 174
US-09-825-574-26/c
; Sequence 26, Application US/09825574
; Patent No. 6709819
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
;           Brow, Mary Ann D.
;           Fors, Lance
;           Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
;           Structure Probing With Structure-Bridging
;           Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/825,574
; FILING DATE: 03-Apr-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/934,097
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 26:

US-09-825-574-29
Query Match      66.7%; Score 12; DB 4; Length 244;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GGGGUCCUGGAG 12
        |||||:|||||
Db      56 GGGGTCTCTGGAG 45
```

```
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 26:

US-09-825-574-26
Query Match      66.7%; Score 12; DB 4; Length 244;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GGGGUCCUGGAG 12
        |||||:|||||
Db      56 GGGGTCTCTGGAG 45

RESULT 175
US-09-825-574-29/c
; Sequence 29, Application US/09825574
; Patent No. 6709819
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
;           Brow, Mary Ann D.
;           Fors, Lance
;           Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
;           Structure Probing With Structure-Bridging
;           Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/825,574
; FILING DATE: 03-Apr-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/934,097
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 29:

US-09-825-574-29
Query Match      66.7%; Score 12; DB 4; Length 244;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GGGGUCCUGGAG 12
        |||||:|||||
Db      56 GGGGTCTCTGGAG 45
```

```
RESULT 176
US-09-825-574-31/c
; Sequence 31, Application US/09825574
; Patent No. 6709819
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
;           Brow, Mary Ann D.
;           Fors, Lance
;           Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
;                   Structure Probing With Structure-Bridging
;                   Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/825,574
; FILING DATE: 03-Apr-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/934,097
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 31:
US-09-825-574-31
Query Match      66.7%; Score 12; DB 4; Length 244;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
      |||||:|:|
Db      55 GGGGTCTCTGGAG 44

RESULT 177
US-09-676-768-26/c
; Sequence 26, Application US/09676768
; Patent No. 6780585
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
;           Lyamichev, Victor I.
;           Prudent, James R.
;           Dahlberg, James E.
;           Fors, Lance
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
;                   Structure Probing
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
```

```
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/676,768
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,588
; FILING DATE: 05-May-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02777
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 26:
US-09-676-768-26
Query Match      66.7%; Score 12; DB 4; Length 244;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
      |||||:|:|
Db      56 GGGGTCTCTGGAG 45

RESULT 178
US-09-676-768-29/c
; Sequence 29, Application US/09676768
; Patent No. 6780585
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
;           Lyamichev, Victor I.
;           Prudent, James R.
;           Dahlberg, James E.
;           Fors, Lance
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
;                   Structure Probing
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/676,768
; FILING DATE: 02-Oct-2000
```

```
;
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,588
; FILING DATE: 05-May-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02777
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 29:
US-09-676-768-29

Query Match 66.7%; Score 12; DB 4; Length 244;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 56 GGGGTCTCGGAG 45

RESULT 179
US-09-676-768-31/c
; Sequence 31, Application US/09676768
; Patent No. 6780595
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; Lyamichev, Victor I.
; Prudent, James R.
; Dahlberg, James E.
; Fors, Lance
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/676,768
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,588
; FILING DATE: 05-May-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02777
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
```

```
;
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 31:
US-09-676-768-31

Query Match 66.7%; Score 12; DB 4; Length 244;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 55 GGGGTCTCGGAG 44

RESULT 180
US-08-441-971-33/c
; Sequence 33, Application US/08441971
; Patent No. 6071693
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441,971
; FILING DATE: 16-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 33:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE: (ATCC # 40394)
; INDIVIDUAL ISOLATE: hcv1
US-08-441-971-33

Query Match 66.7%; Score 12; DB 3; Length 252;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
```


Db 34 GGGTCCTGGAG 23
||||:|||||

RESULT 181
US-08-441-971-34/c
; Sequence 34, Application US/08441971
; Patent No. 6071693
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441,971
; FILING DATE: 16-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 34:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: us5
US-08-441-971-34

Query Match 66.7%; Score 12; DB 3; Length 252;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGGGUCCUGGAG 12
||||:|||||

Db 34 GGGTCCTGGAG 23
||||:|||||

RESULT 182
US-08-441-971-35/c
; Sequence 35, Application US/08441971
; Patent No. 6071693
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147

; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441,971
; FILING DATE: 16-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 35:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: aus1
US-08-441-971-35

Query Match 66.7%; Score 12; DB 3; Length 252;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGGGUCCUGGAG 12
||||:|||||

Db 34 GGGTCCTGGAG 23
||||:|||||

RESULT 183
US-08-441-971-36/c
; Sequence 36, Application US/08441971
; Patent No. 6071693
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:

```
; APPLICATION NUMBER: US/08/441,971
; FILING DATE: 16-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 MAY 1991
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: sp2
US-08-441-971-36

Query Match 66.7%; Score 12; DB 3; Length 252;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
   |||||:-|||
Db 34 GGGGTCCTGGAG 23

RESULT 184
US-08-441-971-37/c
; Sequence 37, Application US/08441971
; Patent No. 6071693
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441,971
; FILING DATE: 16-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 MAY 1991
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; REGISTRATION NUMBER: 29,809
```

```
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: gm2
US-08-441-971-37

Query Match 66.7%; Score 12; DB 3; Length 252;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
   |||||:-|||
Db 34 GGGGTCCTGGAG 23

RESULT 185
US-08-441-971-38/c
; Sequence 38, Application US/08441971
; Patent No. 6071693
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441,971
; FILING DATE: 16-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 MAY 1991
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
```

```

; INDIVIDUAL ISOLATE: 121
US-08-441-971-38

Query Match          66.7%; Score 12; DB 3; Length 252;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
   |||||:|||||
Db 34 GGGGTCCTGGAG 23

RESULT 186
US-08-441-971-39/c
; Sequence 39, Application US/08441971
; Patent No. 6071693
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441,971
; FILING DATE: 16-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: us4

US-08-441-971-39

Query Match          66.7%; Score 12; DB 3; Length 252;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
   |||||:|||||
Db 34 GGGGTCCTGGAG 23

RESULT 187
US-08-441-971-39/c
; Sequence 39, Application US/08441971
; Patent No. 6071693
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441,971
; FILING DATE: 16-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: us4

US-08-441-971-40/c
; Sequence 40, Application US/08441971
; Patent No. 6071693
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441,971
; FILING DATE: 16-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 40:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: jh1

US-08-441-971-40

Query Match          66.7%; Score 12; DB 3; Length 252;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
   |||||:|||||
Db 34 GGGGTCCTGGAG 23

RESULT 188
US-08-441-971-41/c
; Sequence 41, Application US/08441971
; Patent No. 6071693
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441,971
; FILING DATE: 16-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 41:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: us4

US-08-441-971-41
```

; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441,971
; FILING DATE: 16-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 41:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: nac5
US-08-441-971-41

Query Match 66.7%; Score 12; DB 3; Length 252;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
|||||:|||||
Db 34 GGGGTCTCGGAG 23

RESULT 189
US-08-441-971-42/c
; Sequence 42, Application US/08441971
; Patent No. 6071693
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441,971
; FILING DATE: 16-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653

; FILING DATE:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 42:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: arg2
US-08-441-971-42

Query Match 66.7%; Score 12; DB 3; Length 252;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
|||||:|||||
Db 34 GGGGTCTCGGAG 23

RESULT 190
US-08-441-971-43/c
; Sequence 43, Application US/08441971
; Patent No. 6071693
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441,971
; FILING DATE: 16-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL

INFORMATION FOR SEQ ID NO: 43:
SEQUENCE CHARACTERISTICS:
LENGTH: 252 nucleotides
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
ORIGINAL SOURCE: sp1
INDIVIDUAL ISOLATE: sp1
US-08-441-971-43

Query Match 66.7%; Score 12; DB 3; Length 252;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
|||:|:|:|
Db 34 GGGGTCTGGAG 23

RESULT 191

US-08-441-971-44/c
Sequence 44, Application US/08441971

Patent No. 6071693

GENERAL INFORMATION:

APPLICANT: Tai-An Cha

TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR

TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS

NUMBER OF SEQUENCES: 147

CORRESPONDENCE ADDRESS:

ADDRESSEE: Wolf, Greenfield & Sacks, P.C.

STREET: 600 Atlantic Avenue

CITY: Boston

STATE: Massachusetts

COUNTRY: USA

ZIP: 02210

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 5.25 inch

COMPUTER: IBM compatible

OPERATING SYSTEM: MS-DOS Version 3.3

SOFTWARE: WordPerfect 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/441,971

FILING DATE: 16-MAY-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/221,653

FILING DATE:

APPLICATION NUMBER: US/07/881,528

FILING DATE:

APPLICATION NUMBER: 07/697,326

FILING DATE: 8 May 1991

ATTORNEY/AGENT INFORMATION:

NAME: Janiuk, Anthony J.

REGISTRATION NUMBER: 29,809

REFERENCE/DOCKET NUMBER: C0772/7000

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 720-3500

TELEFAX: (617) 720-2441

TELEX: EZEKIEL

INFORMATION FOR SEQ ID NO: 44:

SEQUENCE CHARACTERISTICS:

LENGTH: 252 nucleotides

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA

ORIGINAL SOURCE: ghl

INDIVIDUAL ISOLATE: ghl

US-08-441-971-44

Query Match 66.7%; Score 12; DB 3; Length 252;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;

Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGGGUCCUGGAG 12
|||:|:|:|
Db 34 GGGGTCTGGAG 23

RESULT 192

US-08-441-971-45/c

Sequence 45, Application US/08441971

Patent No. 6071693

GENERAL INFORMATION:

APPLICANT: Tai-An Cha

TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR

TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS

NUMBER OF SEQUENCES: 147

CORRESPONDENCE ADDRESS:

ADDRESSEE: Wolf, Greenfield & Sacks, P.C.

STREET: 600 Atlantic Avenue

CITY: Boston

STATE: Massachusetts

COUNTRY: USA

ZIP: 02210

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 5.25 inch

COMPUTER: IBM compatible

OPERATING SYSTEM: MS-DOS Version 3.3

SOFTWARE: WordPerfect 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/441,971

FILING DATE: 16-MAY-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/221,653

FILING DATE:

APPLICATION NUMBER: US/07/881,528

FILING DATE:

APPLICATION NUMBER: 07/697,326

FILING DATE: 8 May 1991

ATTORNEY/AGENT INFORMATION:

NAME: Janiuk, Anthony J.

REGISTRATION NUMBER: 29,809

REFERENCE/DOCKET NUMBER: C0772/7000

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 720-3500

TELEFAX: (617) 720-2441

TELEX: EZEKIEL

INFORMATION FOR SEQ ID NO: 45:

SEQUENCE CHARACTERISTICS:

LENGTH: 252 nucleotides

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA

ORIGINAL SOURCE:

INDIVIDUAL ISOLATE: i15

US-08-441-971-45

Query Match 66.7%; Score 12; DB 3; Length 252;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
|||:|:|:|
Db 34 GGGGTCTGGAG 23

RESULT 193

US-08-441-971-49/c

Sequence 49, Application US/08441971

Patent No. 6071693

GENERAL INFORMATION:

APPLICANT: Tai-An Cha

;; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
;; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
;; NUMBER OF SEQUENCES: 147
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
;; STREET: 600 Atlantic Avenue
;; CITY: Boston
;; STATE: Massachusetts
;; COUNTRY: USA
;; ZIP: 02210
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Diskette, 5.25 inch
;; COMPUTER: IBM compatible
;; OPERATING SYSTEM: MS-DOS Version 3.3
;; SOFTWARE: WordPerfect 5.1
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/441,971
;; FILING DATE: 16-MAY-1995
;; CLASSIFICATION: 435
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US/08/221,653
;; FILING DATE:
;; APPLICATION NUMBER: US/07/881,528
;; FILING DATE:
;; APPLICATION NUMBER: 07/697,326
;; FILING DATE: 8 May 1991
;; NAME: Janiuk, Anthony J.
;; REGISTRATION NUMBER: 29,809
;; REFERENCE/DOCKET NUMBER: C0772/7000
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (617) 720-3500
;; TELEFAX: (617) 720-2441
;; TELEX: EZEKIEL
;; INFORMATION FOR SEQ ID NO: 49:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 252 nucleotides
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: DNA
;; ORIGINAL SOURCE:
;; INDIVIDUAL ISOLATE: gj61329
US-08-441-971-49

Query Match 66.7%; Score 12; DB 3; Length 252;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
|||:|:|:|
Db 34 GGGGTCCTGGAG 23

RESULT 194
US-08-221-653-33/c
; Sequence 33, Application US/08221653
; Patent No. 6190864
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible

;; OPERATING SYSTEM: MS-DOS Version 3.3
;; SOFTWARE: WordPerfect 5.1
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/221,653
;; FILING DATE:
;; CLASSIFICATION: 435
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US/07/881,528
;; FILING DATE:
;; APPLICATION NUMBER: 07/697,326
;; FILING DATE: 8 May 1991
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Janiuk, Anthony J.
;; REGISTRATION NUMBER: 29,809
;; REFERENCE/DOCKET NUMBER: C0772/7000
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (617) 720-3500
;; TELEFAX: (617) 720-2441
;; TELEX: EZEKIEL
;; INFORMATION FOR SEQ ID NO: 33:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 252 nucleotides
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: DNA
;; ORIGINAL SOURCE: (ATCC # 40394)
;; INDIVIDUAL ISOLATE: hcv1
US-08-221-653-33

Query Match 66.7%; Score 12; DB 3; Length 252;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
|||:|:|:|
Db 34 GGGGTCCTGGAG 23

RESULT 195
US-08-221-653-34/c
; Sequence 34, Application US/08221653
; Patent No. 6190864
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000

TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO: 34:
SEQUENCE CHARACTERISTICS:
LENGTH: 252 nucleotides
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
ORIGINAL SOURCE: us
INDIVIDUAL ISOLATE: us

US-08-221-653-34

Query Match 66.7%; Score 12; DB 3; Length 252;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
|||:|:|:|
Db 34 GGGTCTGGAG 23

RESULT 196

US-08-221-653-35/c
Sequence 35, Application US/08221653
Patent No. 6190864

GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:

ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
STREET: 600 Atlantic Avenue
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02210

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch
COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Version 3.3
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/221,653
FILING DATE:

CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/881,528
FILING DATE:
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C0772/7000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
TELEX: EZEKIEL

INFORMATION FOR SEQ ID NO: 35:
SEQUENCE CHARACTERISTICS:
LENGTH: 252 nucleotides
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
ORIGINAL SOURCE: ausl
INDIVIDUAL ISOLATE: ausl

US-08-221-653-35

Query Match 66.7%; Score 12; DB 3; Length 252;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
|||:|:|:|
Db 34 GGGTCTGGAG 23

RESULT 197

US-08-221-653-36/c
Sequence 36, Application US/08221653
Patent No. 6190864

GENERAL INFORMATION:
APPLICANT: Tai-An Cha
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:

ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
STREET: 600 Atlantic Avenue
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02210

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch
COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS Version 3.3
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/221,653
FILING DATE:

CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/881,528
FILING DATE:
APPLICATION NUMBER: 07/697,326
FILING DATE: 8 May 1991
ATTORNEY/AGENT INFORMATION:
NAME: Janiuk, Anthony J.
REGISTRATION NUMBER: 29,809
REFERENCE/DOCKET NUMBER: C0772/7000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 720-3500
TELEFAX: (617) 720-2441
TELEX: EZEKIEL

INFORMATION FOR SEQ ID NO: 36:
SEQUENCE CHARACTERISTICS:
LENGTH: 252 nucleotides
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
ORIGINAL SOURCE: sp2
INDIVIDUAL ISOLATE: sp2

US-08-221-653-36

Query Match 66.7%; Score 12; DB 3; Length 252;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
|||:|:~|:|:|
Db 34 GGGTCTGGAG 23

RESULT 198

US-08-221-653-37/c
Sequence 37, Application US/08221653
Patent No. 6190864

GENERAL INFORMATION:

APPLICANT: Tai-An Cha

```
;
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; NAME: Janiuk, Anthony J.
; ATTORNEY/AGENT INFORMATION:
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: gm2
; US-08-221-653-37

Query Match 66.7%; Score 12; DB 3; Length 252;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 34 GGGGTCCTGGAG 23

RESULT 199
US-08-221-653-38/c
; Sequence 38, Application US/08221653
; Patent No. 6190864
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; NAME: Janiuk, Anthony J.
; ATTORNEY/AGENT INFORMATION:
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: gm2
; US-08-221-653-37
```

```
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; NAME: Janiuk, Anthony J.
; ATTORNEY/AGENT INFORMATION:
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: i21
; US-08-221-653-38

Query Match 66.7%; Score 12; DB 3; Length 252;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 34 GGGGTCCTGGAG 23

RESULT 200
US-08-221-653-39/c
; Sequence 39, Application US/08221653
; Patent No. 6190864
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; NAME: Janiuk, Anthony J.
; ATTORNEY/AGENT INFORMATION:
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: i21
; US-08-221-653-39
```


TELEFAX: (617) 720-2441
TELEX: EZEKIEL
INFORMATION FOR SEQ ID NO: 39:
SEQUENCE CHARACTERISTICS:
LENGTH: 252 nucleotides
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
ORIGINAL SOURCE: us4
INDIVIDUAL ISOLATE: us4
US-08-221-653-39

Query Match 66.7%; Score 12; DB 3; Length 252;
Best Local Similarity 83.3%; Pred. No. 7.2e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GGGGUCCUGGAG 12
Db 34 GGGGTCTGGAG 23

Search completed: October 11, 2005, 00:24:05
Job time : 62.6316 secs

THIS PAGE BLANK (USPTO)

GenCore version 5.1.6
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: October 11, 2005, 00:17:46 ; Search time 332.053 Seconds
(without alignments)
377.552 Million cell updates/sec

Title: US-08-887-505B-38

Perfect score: 18
Sequence: 1 GGGGCUCCUGGAGNNNNN 18

Scoring table: OLIGO NUC

Gapop 60.0 , Gapext 60.0

Searched: 8443130 seqs, 3482420727 residues

Word size : 0

Total number of hits satisfying chosen parameters: 16986260

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 1000 summaries

Database : Published Applications NA:*

1:	/cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq:*
2:	/cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq:*
3:	/cgn2_6/ptodata/2/pubpna/US05_NEW_PUB.seq:*
4:	/cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
5:	/cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq:*
6:	/cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq:*
7:	/cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq:*
8:	/cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq:*
9:	/cgn2_6/ptodata/2/pubpna/US09A_PUBCOMB.seq:*
10:	/cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq:*
11:	/cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq:*
12:	/cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq:*
13:	/cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq:*
14:	/cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq:*
15:	/cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq:*
16:	/cgn2_6/ptodata/2/pubpna/US10D_PUBCOMB.seq:*
17:	/cgn2_6/ptodata/2/pubpna/US10E_PUBCOMB.seq:*
18:	/cgn2_6/ptodata/2/pubpna/US10F_PUBCOMB.seq:*
19:	/cgn2_6/ptodata/2/pubpna/US10G_PUBCOMB.seq:*
20:	/cgn2_6/ptodata/2/pubpna/US10H_PUBCOMB.seq:*
21:	/cgn2_6/ptodata/2/pubpna/US10I_PUBCOMB.seq:*
22:	/cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq:*
23:	/cgn2_6/ptodata/2/pubpna/US11A_PUBCOMB.seq:*
24:	/cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq:*
25:	/cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
26:	/cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	18	100.0	18	8	US-08-887-505-38
2	18	100.0	24	8	US-08-887-505-67
3	15	83.3	29	15	US-10-053-883-10
C 4	15	83.3	29	15	US-10-053-883-11
C 5	13	72.2	20	15	US-10-008-1408-30
6	13	72.2	418	22	US-10-450-763-11805
C 7	13	72.2	3286	20	US-10-723-860-5790

72.2	5132	20	US-10-723-860-5700	Sequence 5700, Ap
72.2	92726	11	US-09-997-722-193	Sequence 193, App
72.2	165221	13	US-10-087-192-1015	Sequence 1015, Ap
72.2	167163	17	US-10-394-948-31	Sequence 31, Appl
66.7	12	8	US-08-887-505-47	Sequence 47, Appl
66.7	12	15	US-10-291-230-43	Sequence 43, Appl
66.7	12	15	US-10-291-249-43	Sequence 43, Appl
66.7	12	16	US-10-322-138-5	Sequence 5, Appl
66.7	15	9	US-09-504-231A-1587	Sequence 1587, Ap
66.7	15	9	US-09-274-553D-1587	Sequence 1587, Ap
66.7	17	10	US-09-740-332-26	Sequence 26, Appl
66.7	17	10	US-09-740-332-4529	Sequence 4529, Ap
66.7	17	10	US-09-817-879-26	Sequence 26, Appl
66.7	17	10	US-09-817-879-4529	Sequence 4529, Ap
66.7	17	15	US-10-298-255-4	Sequence 4, Appl
66.7	17	19	US-10-669-841-2619	Sequence 2619, Ap
66.7	17	19	US-10-669-841-7122	Sequence 7122, Ap
66.7	17	23	US-11-016-291-4	Sequence 4, Appl
66.7	18	8	US-08-887-505-39	Sequence 39, Appl
66.7	18	8	US-08-887-505-40	Sequence 40, Appl
66.7	18	8	US-08-887-505-41	Sequence 41, Appl
66.7	18	8	US-08-887-505-42	Sequence 42, Appl
66.7	18	8	US-08-887-505-43	Sequence 43, Appl
66.7	18	8	US-08-887-505-44	Sequence 44, Appl
66.7	18	8	US-08-887-505-45	Sequence 45, Appl
66.7	18	8	US-08-887-505-46	Sequence 46, Appl
66.7	18	8	US-08-887-505-49	Sequence 49, Appl
66.7	18	8	US-08-887-505-50	Sequence 50, Appl
66.7	18	8	US-08-887-505-51	Sequence 51, Appl
66.7	18	8	US-08-887-505-52	Sequence 52, Appl
66.7	18	8	US-08-887-505-53	Sequence 53, Appl
66.7	18	8	US-08-887-505-54	Sequence 54, Appl
66.7	18	8	US-08-887-505-141	Sequence 141, App
66.7	18	8	US-08-887-505-142	Sequence 142, App
66.7	18	8	US-08-887-505-143	Sequence 143, App
66.7	18	8	US-08-887-505-144	Sequence 144, App
66.7	18	8	US-08-887-505-145	Sequence 145, App
66.7	18	8	US-08-887-505-146	Sequence 146, App
66.7	18	8	US-08-887-505-147	Sequence 147, App
66.7	19	9	US-09-782-361-14	Sequence 14, Appl
66.7	19	17	US-10-461-790-121	Sequence 121, App
66.7	19	20	US-10-667-271-466	Sequence 466, App
66.7	19	20	US-10-667-271-467	Sequence 467, App
66.7	19	20	US-10-667-271-498	Sequence 498, App
66.7	19	20	US-10-667-271-498	Sequence 498, App
66.7	19	20	US-10-667-271-500	Sequence 500, App
66.7	19	20	US-10-667-271-502	Sequence 502, App
66.7	19	20	US-10-667-271-538	Sequence 538, App
66.7	19	20	US-10-667-271-544	Sequence 544, App
66.7	19	20	US-10-667-271-545	Sequence 545, App
66.7	19	20	US-10-667-271-1162	Sequence 1162, Ap
66.7	19	20	US-10-667-271-1163	Sequence 1163, Ap
66.7	19	20	US-10-667-271-1194	Sequence 1194, Ap
66.7	19	20	US-10-667-271-1196	Sequence 1196, Ap
66.7	19	20	US-10-667-271-1234	Sequence 1234, Ap
66.7	19	20	US-10-667-271-1240	Sequence 1240, Ap
66.7	19	20	US-10-667-271-1241	Sequence 1241, Ap
66.7	19	22	US-10-942-560-466	Sequence 466, App
66.7	19	22	US-10-942-560-467	Sequence 467, App
66.7	19	22	US-10-942-560-498	Sequence 498, App
66.7	19	22	US-10-942-560-500	Sequence 500, App
66.7	19	22	US-10-942-560-502	Sequence 502, App
66.7	19	22	US-10-942-560-538	Sequence 538, App
66.7	19	22	US-10-942-560-544	Sequence 544, App
66.7	19	22	US-10-942-560-545	Sequence 545, App
66.7	19	22	US-10-942-560-1162	Sequence 1162, Ap
66.7	19	22	US-10-942-560-1163	Sequence 1163, Ap
66.7	19	22	US-10-942-560-1194	Sequence 1194, Ap
66.7	19	22	US-10-942-560-1196	Sequence 1196, Ap
66.7	19	22	US-10-942-560-1198	Sequence 1198, Ap
66.7	19	22	US-10-942-560-1234	Sequence 1234, Ap
66.7	19	22	US-10-942-560-1240	Sequence 1240, Ap
66.7	19	22	US-10-942-560-1241	Sequence 1241, Ap

81	12	66.7	20	8	US-08-887-505-19	Sequence 19, Appl	154	12	66.7	175	18	US-10-424-599-115511	Sequence 115511,
82	12	66.7	20	8	US-08-887-505-20	Sequence 20, Appl	c 155	12	66.7	177	9	US-09-294-121A-61	Sequence 61, Appl
c 83	12	66.7	20	15	US-10-291-230-49	Sequence 49, Appl	c 156	12	66.7	177	9	US-09-294-121A-67	Sequence 67, Appl
c 84	12	66.7	20	15	US-10-291-249-49	Sequence 49, Appl	c 157	12	66.7	177	9	US-09-294-121A-68	Sequence 68, Appl
c 85	12	66.7	20	15	US-10-008-140B-12	Sequence 12, Appl	c 158	12	66.7	177	9	US-09-294-121A-69	Sequence 69, Appl
c 86	12	66.7	20	16	US-10-189-371-48	Sequence 48, Appl	c 159	12	66.7	177	9	US-09-294-121A-70	Sequence 70, Appl
c 87	12	66.7	21	9	US-09-747-419-7	Sequence 7, Appl	c 160	12	66.7	177	9	US-09-294-121A-72	Sequence 72, Appl
c 88	12	66.7	21	15	US-10-259-275-7	Sequence 7, Appl	c 161	12	66.7	177	9	US-09-294-121A-73	Sequence 73, Appl
c 89	12	66.7	21	24	US-11-006-313-7	Sequence 7, Appl	c 162	12	66.7	177	9	US-09-294-121A-74	Sequence 74, Appl
c 90	12	66.7	22	15	US-10-291-230-38	Sequence 38, Appl	c 163	12	66.7	177	9	US-09-294-121A-75	Sequence 75, Appl
c 91	12	66.7	22	15	US-10-291-249-38	Sequence 38, Appl	c 164	12	66.7	177	9	US-09-294-121A-76	Sequence 76, Appl
c 92	12	66.7	22	16	US-10-169-371-47	Sequence 47, Appl	c 165	12	66.7	177	9	US-09-294-121A-77	Sequence 77, Appl
c 93	12	66.7	22	16	US-10-169-371-47	Sequence 47, Appl	c 166	12	66.7	177	9	US-09-294-121A-78	Sequence 78, Appl
c 94	12	66.7	22	17	US-10-092-885-59	Sequence 59, Appl	c 167	12	66.7	177	9	US-09-294-121A-79	Sequence 79, Appl
c 95	12	66.7	22	17	US-10-045-674-375	Sequence 4, Appl	c 168	12	66.7	177	9	US-09-294-121A-80	Sequence 80, Appl
c 96	12	66.7	22	18	US-10-399-843-4	Sequence 4, Appl	c 169	12	66.7	177	9	US-09-899-082A-61	Sequence 61, Appl
c 97	12	66.7	22	21	US-10-702-228A-22	Sequence 22, Appl	c 170	12	66.7	177	9	US-09-899-082A-67	Sequence 67, Appl
c 98	12	66.7	22	21	US-10-678-961B-22	Sequence 22, Appl	c 171	12	66.7	177	9	US-09-899-082A-68	Sequence 68, Appl
c 99	12	66.7	22	22	US-10-987-411-22	Sequence 22, Appl	c 172	12	66.7	177	9	US-09-899-082A-69	Sequence 69, Appl
c 100	12	66.7	23	15	US-10-053-883-111	Sequence 11, App	c 173	12	66.7	177	9	US-09-899-082A-70	Sequence 70, Appl
c 101	12	66.7	23	15	US-10-053-883-112	Sequence 11, App	c 174	12	66.7	177	9	US-09-899-082A-72	Sequence 72, Appl
c 102	12	66.7	24	8	US-08-887-505-48	Sequence 48, Appl	c 175	12	66.7	177	9	US-09-899-082A-73	Sequence 73, Appl
c 103	12	66.7	24	8	US-08-887-505-55	Sequence 55, Appl	c 176	12	66.7	177	9	US-09-899-082A-74	Sequence 74, Appl
c 104	12	66.7	24	8	US-08-887-505-56	Sequence 56, Appl	c 177	12	66.7	177	9	US-09-899-082A-75	Sequence 75, Appl
c 105	12	66.7	24	8	US-08-887-505-57	Sequence 57, Appl	c 178	12	66.7	177	9	US-09-899-082A-76	Sequence 76, Appl
c 106	12	66.7	24	8	US-08-887-505-58	Sequence 58, Appl	c 179	12	66.7	177	9	US-09-899-082A-77	Sequence 77, Appl
c 107	12	66.7	24	8	US-08-887-505-59	Sequence 59, Appl	c 180	12	66.7	177	9	US-09-899-082A-78	Sequence 78, Appl
c 108	12	66.7	24	8	US-08-887-505-60	Sequence 60, Appl	c 181	12	66.7	177	9	US-09-899-082A-79	Sequence 79, Appl
c 109	12	66.7	24	8	US-08-887-505-61	Sequence 61, Appl	c 182	12	66.7	177	9	US-09-899-082A-80	Sequence 80, Appl
c 110	12	66.7	24	8	US-08-887-505-62	Sequence 62, Appl	c 183	12	66.7	177	9	US-09-899-302-61	Sequence 61, Appl
c 111	12	66.7	24	8	US-08-887-505-63	Sequence 63, Appl	c 184	12	66.7	177	9	US-09-899-302-67	Sequence 67, Appl
c 112	12	66.7	24	8	US-08-887-505-64	Sequence 64, Appl	c 185	12	66.7	177	9	US-09-899-302-68	Sequence 68, Appl
c 113	12	66.7	24	8	US-08-887-505-65	Sequence 65, Appl	c 186	12	66.7	177	9	US-09-899-302-69	Sequence 69, Appl
c 114	12	66.7	24	8	US-08-887-505-66	Sequence 66, Appl	c 187	12	66.7	177	9	US-09-899-302-70	Sequence 70, Appl
c 115	12	66.7	24	8	US-08-887-505-148	Sequence 148, App	c 188	12	66.7	177	9	US-09-899-302-72	Sequence 72, Appl
c 116	12	66.7	24	8	US-08-887-505-149	Sequence 149, App	c 189	12	66.7	177	9	US-09-899-302-73	Sequence 73, Appl
c 117	12	66.7	24	8	US-08-887-505-150	Sequence 150, App	c 190	12	66.7	177	9	US-09-899-302-74	Sequence 74, Appl
c 118	12	66.7	24	8	US-08-887-505-151	Sequence 151, App	c 191	12	66.7	177	9	US-09-899-302-75	Sequence 75, Appl
c 119	12	66.7	24	8	US-08-887-505-152	Sequence 152, App	c 192	12	66.7	177	9	US-09-899-302-76	Sequence 76, Appl
c 120	12	66.7	24	8	US-08-887-505-153	Sequence 153, App	c 193	12	66.7	177	9	US-09-899-302-77	Sequence 77, Appl
c 121	12	66.7	24	8	US-08-887-505-154	Sequence 154, App	c 194	12	66.7	177	9	US-09-899-302-78	Sequence 78, Appl
c 122	12	66.7	24	8	US-08-887-505-155	Sequence 155, App	c 195	12	66.7	177	9	US-09-899-302-79	Sequence 79, Appl
c 123	12	66.7	24	8	US-08-887-505-156	Sequence 156, App	c 196	12	66.7	177	9	US-09-899-302-80	Sequence 80, Appl
c 124	12	66.7	24	8	US-08-887-505-157	Sequence 157, App	c 197	12	66.7	177	10	US-09-899-044-61	Sequence 61, Appl
c 125	12	66.7	25	15	US-10-098-263B-87040	Sequence 87040, A	c 198	12	66.7	177	10	US-09-899-044-66	Sequence 66, Appl
c 126	12	66.7	25	15	US-10-291-230-39	Sequence 39, Appl	c 199	12	66.7	177	10	US-09-899-044-68	Sequence 68, Appl
c 127	12	66.7	25	15	US-10-291-230-47	Sequence 47, Appl	c 200	12	66.7	177	10	US-09-899-044-69	Sequence 69, Appl
c 128	12	66.7	25	15	US-10-291-249-39	Sequence 39, Appl	c 201	12	66.7	177	10	US-09-899-044-70	Sequence 70, Appl
c 129	12	66.7	25	15	US-10-291-249-47	Sequence 47, Appl	c 202	12	66.7	177	10	US-09-899-044-72	Sequence 72, Appl
c 130	12	66.7	25	21	US-10-719-900-205441	Sequence 205441,	c 203	12	66.7	177	10	US-09-899-044-73	Sequence 73, Appl
c 131	12	66.7	25	21	US-10-956-157-225648	Sequence 225648,	c 204	12	66.7	177	10	US-09-899-044-74	Sequence 74, Appl
c 132	12	66.7	25	21	US-10-956-157-225659	Sequence 225659,	c 205	12	66.7	177	10	US-09-899-044-75	Sequence 75, Appl
c 133	12	66.7	25	22	US-10-719-956-140305	Sequence 140305,	c 206	12	66.7	177	10	US-09-899-044-76	Sequence 76, Appl
c 134	12	66.7	25	24	US-11-036-317-543704	Sequence 543704,	c 207	12	66.7	177	10	US-09-899-044-77	Sequence 77, Appl
c 135	12	66.7	27	15	US-10-053-883-12	Sequence 12, Appl	c 208	12	66.7	177	10	US-09-899-044-78	Sequence 78, Appl
c 136	12	66.7	30	15	US-10-053-883-13	Sequence 13, Appl	c 209	12	66.7	177	10	US-09-899-044-79	Sequence 79, Appl
c 137	12	66.7	30	15	US-09-935-338-192	Sequence 132, App	c 210	12	66.7	177	10	US-09-899-044-80	Sequence 80, Appl
c 138	12	66.7	30	22	US-10-929-759-192	Sequence 132, App	c 211	12	66.7	177	19	US-10-822-711-61	Sequence 61, Appl
c 139	12	66.7	36	16	US-10-169-371-71	Sequence 71, Appl	c 212	12	66.7	177	19	US-10-822-711-67	Sequence 67, Appl
c 140	12	66.7	36	16	US-10-169-371-79	Sequence 79, Appl	c 213	12	66.7	177	19	US-10-822-711-68	Sequence 68, Appl
c 141	12	66.7	46	15	US-10-291-230-48	Sequence 48, Appl	c 214	12	66.7	177	19	US-10-822-711-69	Sequence 69, Appl
c 142	12	66.7	46	15	US-10-291-230-48	Sequence 48, Appl	c 215	12	66.7	177	19	US-10-822-711-70	Sequence 70, Appl
c 143	12	66.7	47	17	US-10-349-143-2597	Sequence 2597, Ap	c 216	12	66.7	177	19	US-10-822-711-72	Sequence 72, Appl
c 144	12	66.7	48	15	US-10-156-306-7157	Sequence 7157, Ap	c 217	12	66.7	177	19	US-10-822-711-73	Sequence 73, Appl
c 145	12	66.7	48	16	US-10-322-138-6	Sequence 6, Appl	c 218	12	66.7	177	19	US-10-822-711-74	Sequence 74, Appl
c 146	12	66.7	48	16	US-10-322-138-7	Sequence 7, Appl	c 219	12	66.7	177	19	US-10-822-711-75	Sequence 75, Appl
c 147	12	66.7	48	22	US-10-842-741B-1	Sequence 1, Appl	c 220	12	66.7	177	19	US-10-822-711-76	Sequence 76, Appl
c 148	12	66.7	48	22	US-10-842-741B-2	Sequence 2, Appl	c 221	12	66.7	177	19	US-10-822-711-77	Sequence 77, Appl
c 149	12	66.7	86	17	US-10-461-790-141	Sequence 141, App	c 222	12	66.7	177	19	US-10-822-711-78	Sequence 78, Appl
c 150	12	66.7	97	16	US-10-029-386-15052	Sequence 15052, A	c 223	12	66.7	177	19	US-10-822-711-79	Sequence 79, Appl
c 151	12	66.7	124	16	US-10-029-386-14059	Sequence 14059, A	c 224	12	66.7	177	19	US-10-822-711-80	Sequence 80, Appl
c 152	12	66.7	138	16	US-10-029-386-15594	Sequence 15594, A	c 225	12	66.7	178	9	US-09-294-121A-59	Sequence 59, Appl
c 153	12	66.7	168	20	US-10-425-115-1205	Sequence 1205, Ap	c 226	12	66.7	178	9	US-09-294-121A-71	Sequence 71, Appl

C 227	12	66.7	178	9	US-09-899-082A-59	Sequence 59, Appl	C 300	12	66.7	244	10	US-09-882-945A-29	Sequence 29, Appl
C 228	12	66.7	178	9	US-09-899-082A-71	Sequence 71, Appl	C 301	12	66.7	244	10	US-09-882-945A-31	Sequence 31, Appl
C 229	12	66.7	178	9	US-09-899-302-59	Sequence 59, Appl	C 302	12	66.7	244	18	US-10-688-272-16	Sequence 16, Appl
C 230	12	66.7	178	9	US-09-899-302-71	Sequence 71, Appl	C 303	12	66.7	244	20	US-10-807-114-26	Sequence 26, Appl
C 231	12	66.7	178	10	US-09-899-044-59	Sequence 59, Appl	C 304	12	66.7	244	20	US-10-807-114-29	Sequence 29, Appl
C 232	12	66.7	178	10	US-09-899-044-71	Sequence 71, Appl	C 305	12	66.7	244	20	US-10-807-114-31	Sequence 31, Appl
C 233	12	66.7	178	19	US-10-822-711-59	Sequence 59, Appl	C 306	12	66.7	244	21	US-10-655-362-26	Sequence 26, Appl
C 234	12	66.7	178	19	US-10-822-711-71	Sequence 71, Appl	C 307	12	66.7	244	21	US-10-655-362-29	Sequence 29, Appl
C 235	12	66.7	190	16	US-10-029-386-22536	Sequence 22536, A	C 308	12	66.7	244	21	US-10-655-362-31	Sequence 31, Appl
C 236	12	66.7	194	17	US-10-242-535A-4002	Sequence 4002, Ap	C 309	12	66.7	244	21	US-10-655-362-124	Sequence 124, App
C 237	12	66.7	194	18	US-10-085-783A-4002	Sequence 4002, Ap	C 310	12	66.7	244	21	US-10-655-362-127	Sequence 127, App
C 238	12	66.7	201	19	US-10-741-601-16976	Sequence 16976, A	C 311	12	66.7	244	21	US-10-655-362-128	Sequence 128, App
C 239	12	66.7	201	20	US-10-719-993-5122	Sequence 5122, Ap	C 312	12	66.7	244	24	US-11-031-487-67	Sequence 67, Appl
C 240	12	66.7	201	20	US-10-719-993-5152	Sequence 5152, Ap	C 313	12	66.7	244	24	US-11-031-487-68	Sequence 68, Appl
C 241	12	66.7	201	20	US-10-719-993-5181	Sequence 5181, Ap	C 314	12	66.7	263	15	US-10-292-129-13	Sequence 13, Appl
C 242	12	66.7	201	20	US-10-719-993-5211	Sequence 5211, Ap	C 315	12	66.7	267	21	US-10-363-177A-69	Sequence 69, Appl
C 243	12	66.7	201	20	US-10-719-993-5241	Sequence 5241, Ap	C 316	12	66.7	271	22	US-10-920-040-1	Sequence 1, Appl
C 244	12	66.7	201	20	US-10-719-993-5270	Sequence 5270, Ap	C 317	12	66.7	278	9	US-09-294-093B-1960	Sequence 1960, Ap
C 245	12	66.7	201	20	US-10-719-993-5288	Sequence 5288, Ap	C 318	12	66.7	278	9	US-09-294-093B-2729	Sequence 2729, Ap
C 246	12	66.7	201	20	US-10-719-993-9591	Sequence 9591, Ap	C 319	12	66.7	278	21	US-10-653-047-3593	Sequence 3593, Ap
C 247	12	66.7	201	20	US-10-719-993-26387	Sequence 26387, A	C 320	12	66.7	281	10	US-10-363-177A-67	Sequence 67, Appl
C 248	12	66.7	201	20	US-10-719-993-26388	Sequence 26388, A	C 321	12	66.7	281	10	US-09-940-925A-121	Sequence 121, App
C 249	12	66.7	201	20	US-10-719-993-26511	Sequence 26511, A	C 322	12	66.7	281	10	US-09-940-925A-126	Sequence 126, App
C 250	12	66.7	201	20	US-10-719-993-26602	Sequence 26602, A	C 323	12	66.7	281	10	US-09-940-925A-127	Sequence 127, App
C 251	12	66.7	201	20	US-10-719-993-50021	Sequence 50021, A	C 324	12	66.7	281	10	US-09-940-925A-128	Sequence 128, App
C 252	12	66.7	201	20	US-10-719-993-50033	Sequence 50033, A	C 325	12	66.7	281	10	US-09-940-925A-132	Sequence 132, App
C 253	12	66.7	201	20	US-10-719-993-50034	Sequence 50034, A	C 326	12	66.7	281	10	US-09-941-193A-121	Sequence 121, App
C 254	12	66.7	201	20	US-10-719-993-52863	Sequence 52863, A	C 327	12	66.7	281	10	US-09-941-193A-126	Sequence 126, App
C 255	12	66.7	201	21	US-10-741-600-16871	Sequence 16871, A	C 328	12	66.7	281	10	US-09-941-193A-127	Sequence 127, App
C 256	12	66.7	201	21	US-10-741-600-16872	Sequence 16872, A	C 329	12	66.7	281	10	US-09-941-193A-128	Sequence 128, App
C 257	12	66.7	201	21	US-10-741-600-16902	Sequence 16902, A	C 330	12	66.7	281	10	US-09-941-193A-132	Sequence 132, App
C 258	12	66.7	201	21	US-10-741-600-16903	Sequence 16903, A	C 331	12	66.7	281	22	US-10-409-594-121	Sequence 121, App
C 259	12	66.7	201	21	US-10-741-600-16933	Sequence 16933, A	C 332	12	66.7	281	22	US-10-409-594-126	Sequence 126, App
C 260	12	66.7	201	21	US-10-741-600-16934	Sequence 16934, A	C 333	12	66.7	281	22	US-10-409-594-127	Sequence 127, App
C 261	12	66.7	201	21	US-10-741-600-16964	Sequence 16964, A	C 334	12	66.7	281	22	US-10-409-594-128	Sequence 128, App
C 262	12	66.7	201	21	US-10-741-600-16965	Sequence 16965, A	C 335	12	66.7	281	22	US-10-409-594-132	Sequence 132, App
C 263	12	66.7	201	21	US-10-741-600-46385	Sequence 46385, A	C 336	12	66.7	282	10	US-09-940-925A-124	Sequence 124, App
C 264	12	66.7	201	21	US-10-741-600-58310	Sequence 58310, A	C 337	12	66.7	282	10	US-09-940-925A-130	Sequence 130, App
C 265	12	66.7	201	21	US-10-741-600-58311	Sequence 58311, A	C 338	12	66.7	282	10	US-09-941-193A-124	Sequence 124, App
C 266	12	66.7	217	16	US-10-023-386-16443	Sequence 16443, A	C 339	12	66.7	282	10	US-09-941-193A-130	Sequence 130, App
C 267	12	66.7	226	18	US-10-688-272-19	Sequence 19, Appl	C 340	12	66.7	282	22	US-10-409-594-124	Sequence 124, App
C 268	12	66.7	227	9	US-09-783-590-523	Sequence 523, App	C 341	12	66.7	282	22	US-10-409-594-130	Sequence 130, App
C 269	12	66.7	230	16	US-10-029-386-21951	Sequence 21951, A	C 342	12	66.7	288	19	US-10-437-963-48382	Sequence 48382, A
C 270	12	66.7	230	18	US-10-688-272-22	Sequence 22, Appl	C 343	12	66.7	289	9	US-09-825-574-20	Sequence 20, Appl
C 271	12	66.7	230	18	US-10-688-272-23	Sequence 23, Appl	C 344	12	66.7	289	9	US-09-825-574-23	Sequence 23, Appl
C 272	12	66.7	232	9	US-09-825-574-37	Sequence 37, Appl	C 345	12	66.7	289	10	US-09-882-945A-20	Sequence 20, Appl
C 273	12	66.7	232	10	US-09-882-945A-37	Sequence 37, Appl	C 346	12	66.7	289	10	US-09-882-945A-23	Sequence 23, Appl
C 274	12	66.7	232	20	US-10-807-114-37	Sequence 37, Appl	C 347	12	66.7	289	20	US-10-807-114-20	Sequence 20, Appl
C 275	12	66.7	232	21	US-10-655-362-37	Sequence 37, Appl	C 348	12	66.7	289	20	US-10-807-114-23	Sequence 23, Appl
C 276	12	66.7	232	21	US-10-655-362-37	Sequence 37, Appl	C 349	12	66.7	289	21	US-10-655-362-20	Sequence 20, Appl
C 277	12	66.7	239	9	US-09-825-574-32	Sequence 32, Appl	C 350	12	66.7	289	21	US-10-655-362-23	Sequence 23, Appl
C 278	12	66.7	239	9	US-09-825-574-36	Sequence 36, Appl	C 351	12	66.7	297	9	US-09-864-761-28956	Sequence 28956, A
C 279	12	66.7	239	10	US-09-882-945A-32	Sequence 32, Appl	C 352	12	66.7	298	9	US-09-345-761-7	Sequence 7, Appl
C 280	12	66.7	239	10	US-09-882-945A-36	Sequence 36, Appl	C 353	12	66.7	298	19	US-10-687-588-7	Sequence 7, Appl
C 281	12	66.7	239	20	US-10-807-114-32	Sequence 32, Appl	C 354	12	66.7	299	9	US-09-983-965-5881	Sequence 5881, Ap
C 282	12	66.7	239	20	US-10-807-114-36	Sequence 36, Appl	C 355	12	66.7	299	16	US-10-230-381-1	Sequence 1, Appl
C 283	12	66.7	239	21	US-10-655-362-32	Sequence 32, Appl	C 356	12	66.7	302	9	US-09-796-692-9227	Sequence 9227, Ap
C 284	12	66.7	239	21	US-10-655-362-36	Sequence 36, Appl	C 357	12	66.7	302	14	US-10-040-862-9227	Sequence 9227, Ap
C 285	12	66.7	239	21	US-10-927-520-9	Sequence 9, Appl	C 358	12	66.7	302	17	US-10-057-475B-9227	Sequence 9227, Ap
C 286	12	66.7	240	9	US-09-825-574-33	Sequence 33, Appl	C 359	12	66.7	302	17	US-10-154-884B-9227	Sequence 9227, Ap
C 287	12	66.7	240	9	US-09-825-574-38	Sequence 38, Appl	C 360	12	66.7	302	19	US-10-764-324-9227	Sequence 9227, Ap
C 288	12	66.7	240	10	US-09-882-945A-33	Sequence 33, Appl	C 361	12	66.7	305	21	US-10-363-177A-63	Sequence 63, Appl
C 289	12	66.7	240	10	US-09-882-945A-38	Sequence 38, Appl	C 362	12	66.7	305	21	US-10-363-177A-64	Sequence 64, Appl
C 290	12	66.7	240	20	US-10-807-114-33	Sequence 33, Appl	C 363	12	66.7	306	20	US-10-425-115-171472	Sequence 171472, Sequence 6, Appl
C 291	12	66.7	240	20	US-10-807-114-38	Sequence 38, Appl	C 364	12	66.7	315	9	US-09-345-761-6	Sequence 6, Appl
C 292	12	66.7	240	21	US-10-655-362-33	Sequence 33, Appl	C 365	12	66.7	315	19	US-10-687-588-6	Sequence 12017, A
C 293	12	66.7	240	21	US-10-655-362-38	Sequence 38, Appl	C 366	12	66.7	319	20	US-10-425-115-12017	Sequence 12017, A
C 294	12	66.7	241	14	US-10-087-631B-10	Sequence 10, Appl	C 367	12	66.7	321	24	US-11-037-143-16922	Sequence 16922, A
C 295	12	66.7	241	16	US-10-419-022-10	Sequence 10, Appl	C 368	12	66.7	328	10	US-09-882-945A-240	Sequence 240, App
C 296	12	66.7	244	9	US-09-825-574-26	Sequence 26, Appl	C 369	12	66.7	328	10	US-09-882-945A-242	Sequence 242, App
C 297	12	66.7	244	9	US-09-825-574-29	Sequence 29, Appl	C 370	12	66.7	328	20	US-10-475-024-18	Sequence 18, Appl
C 298	12	66.7	244	9	US-09-825-574-31	Sequence 31, Appl	C 371	12	66.7	328	20	US-10-807-114-240	Sequence 240, App
C 299	12	66.7	244	10	US-09-882-945A-26	Sequence 26, Appl	C 372	12	66.7	328	20	US-10-807-114-242	Sequence 242, App

C 373	12	66.7	328	22	US-10-475-026-18	Sequence 19, Appl	446	12	66.7	414	13	US-10-027-632-46928	Sequence 46928, A
C 374	12	66.7	330	20	US-10-425-115-112799	Sequence 112799,	447	12	66.7	414	17	US-10-027-632-46928	Sequence 46928, A
C 375	12	66.7	337	10	US-09-940-244-45	Sequence 45, Appl	448	12	66.7	416	22	US-10-450-763-16054	Sequence 16054, A
C 376	12	66.7	337	10	US-09-982-667-56	Sequence 56, Appl	449	12	66.7	418	9	US-09-960-352-588	Sequence 588, App
C 377	12	66.7	337	12	US-09-732-622A-45	Sequence 45, Appl	C 450	12	66.7	428	22	US-10-450-763-327675	Sequence 327675, A
C 378	12	66.7	337	13	US-10-033-297-45	Sequence 45, Appl	C 451	12	66.7	431	20	US-10-357-930-32305	Sequence 32305, A
C 379	12	66.7	337	13	US-10-081-806-56	Sequence 56, Appl	C 452	12	66.7	433	20	US-10-357-930-7216	Sequence 7216, Ap
C 380	12	66.7	337	16	US-10-142-283-136	Sequence 136, App	C 453	12	66.7	434	15	US-10-102-524-1040	Sequence 1040, Ap
C 381	12	66.7	337	16	US-10-290-386-45	Sequence 45, Appl	C 454	12	66.7	437	18	US-10-424-599-88199	Sequence 88199, A
C 382	12	66.7	337	18	US-10-356-861-45	Sequence 45, Appl	C 455	12	66.7	440	20	US-10-357-930-32267	Sequence 32267, A
C 383	12	66.7	337	20	US-10-309-584-45	Sequence 45, Appl	C 456	12	66.7	440	20	US-10-357-930-41199	Sequence 41199, A
C 384	12	66.7	337	21	US-10-897-793-45	Sequence 45, Appl	C 457	12	66.7	440	20	US-10-357-930-41237	Sequence 41237, A
C 385	12	66.7	337	21	US-10-783-557-45	Sequence 45, Appl	C 458	12	66.7	441	20	US-10-425-115-37975	Sequence 37975, A
C 386	12	66.7	337	24	US-11-103-943-56	Sequence 56, Appl	C 459	12	66.7	446	10	US-09-318-995-28661	Sequence 28661, A
C 387	12	66.7	341	9	US-09-814-292-44	Sequence 44, Appl	C 460	12	66.7	448	13	US-10-437-963-88979	Sequence 88979, A
C 388	12	66.7	341	10	US-09-814-357-3	Sequence 3, Appli	C 461	12	66.7	454	13	US-10-027-632-136999	Sequence 136999,
C 389	12	66.7	341	15	US-09-814-351-3	Sequence 3, Appli	C 462	12	66.7	454	17	US-10-027-632-136999	Sequence 136999,
C 390	12	66.7	341	15	US-10-259-275-35	Sequence 35, Appl	C 463	12	66.7	455	13	US-10-027-632-195949	Sequence 195949,
C 391	12	66.7	341	22	US-10-631-045-3	Sequence 3, Appli	C 464	12	66.7	455	17	US-10-027-632-195949	Sequence 195949,
C 392	12	66.7	341	24	US-11-006-313-35	Sequence 35, Appl	C 465	12	66.7	457	10	US-09-318-995-28679	Sequence 28679, A
C 393	12	66.7	347	10	US-09-814-353-1497	Sequence 1497, Ap	C 466	12	66.7	458	20	US-10-357-930-37184	Sequence 37184, A
C 394	12	66.7	347	10	US-09-814-353-7856	Sequence 7856, Ap	C 467	12	66.7	461	9	US-09-851-138-103	Sequence 103, App
C 395	12	66.7	347	15	US-10-132-295-1	Sequence 1, Appli	C 468	12	66.7	463	20	US-10-425-115-162307	Sequence 162307,
C 396	12	66.7	364	22	US-10-972-079-42621	Sequence 42621, A	C 469	12	66.7	469	10	US-09-984-130-95	Sequence 95, Appl
C 397	12	66.7	365	22	US-10-972-079-46406	Sequence 46406, A	C 470	12	66.7	469	10	US-09-836-353A-95	Sequence 95, Appl
C 398	12	66.7	366	9	US-09-877-526A-48	Sequence 48, Appl	C 471	12	66.7	474	10	US-09-318-995-15614	Sequence 15614, A
C 399	12	66.7	366	10	US-09-992-160-48	Sequence 48, Appl	C 472	12	66.7	475	9	US-09-864-761-10323	Sequence 10323, A
C 400	12	66.7	366	10	US-09-740-332-9701	Sequence 9701, Ap	C 473	12	66.7	475	20	US-10-758-846-21	Sequence 21, Appl
C 401	12	66.7	366	10	US-09-817-879-9701	Sequence 9701, Ap	C 474	12	66.7	475	22	US-10-496-905-25	Sequence 25, Appl
C 402	12	66.7	366	14	US-10-056-761-48	Sequence 48, Appl	C 475	12	66.7	477	10	US-09-918-995-22114	Sequence 22114, A
C 403	12	66.7	366	17	US-10-422-050-48	Sequence 48, Appl	C 476	12	66.7	478	16	US-10-029-386-20547	Sequence 20547, A
C 404	12	66.7	366	19	US-10-669-841-16198	Sequence 16198, A	C 477	12	66.7	480	9	US-09-771-209-35	Sequence 35, Appl
C 405	12	66.7	368	9	US-09-960-352-12725	Sequence 12725, A	C 478	12	66.7	480	9	US-09-917-800A-1079	Sequence 1079, Ap
C 406	12	66.7	368	13	US-10-027-632-278770	Sequence 278770,	C 479	12	66.7	480	15	US-10-156-761-4957	Sequence 4957, Ap
C 407	12	66.7	368	13	US-10-027-632-278771	Sequence 278771,	C 480	12	66.7	482	18	US-10-240-425-487	Sequence 487, App
C 408	12	66.7	368	13	US-10-027-632-278772	Sequence 278772,	C 481	12	66.7	482	20	US-10-425-115-3564	Sequence 3564, Ap
C 409	12	66.7	368	17	US-10-027-632-278770	Sequence 278770,	C 482	12	66.7	486	13	US-10-027-632-46038	Sequence 46038, A
C 410	12	66.7	368	17	US-10-027-632-278771	Sequence 278771,	C 483	12	66.7	486	13	US-10-027-632-46039	Sequence 46039, A
C 411	12	66.7	368	17	US-10-027-632-278772	Sequence 278772,	C 484	12	66.7	486	17	US-10-027-632-46038	Sequence 46038, A
C 412	12	66.7	374	18	US-10-324-409B-32	Sequence 32, Appl	C 485	12	66.7	486	17	US-10-027-632-46039	Sequence 46039, A
C 413	12	66.7	382	9	US-09-783-590-7030	Sequence 7030, Ap	C 486	12	66.7	492	17	US-10-264-237-543	Sequence 543, App
C 414	12	66.7	383	21	US-10-626-879-9	Sequence 9, Appli	C 487	12	66.7	493	9	US-09-783-590-6626	Sequence 6626, Ap
C 415	12	66.7	384	18	US-10-332-826-1	Sequence 1, Appli	C 488	12	66.7	494	22	US-10-450-763-7433	Sequence 7433, Ap
C 416	12	66.7	386	10	US-09-940-925A-122	Sequence 122, App	C 489	12	66.7	495	13	US-10-027-632-47325	Sequence 47325, A
C 417	12	66.7	386	10	US-09-941-193A-122	Sequence 122, App	C 490	12	66.7	495	17	US-10-027-632-47325	Sequence 47325, A
C 418	12	66.7	386	20	US-10-357-930-11132	Sequence 11132, A	C 491	12	66.7	502	16	US-10-029-386-8810	Sequence 8810, Ap
C 419	12	66.7	386	22	US-10-409-594-122	Sequence 122, App	C 492	12	66.7	504	18	US-10-424-599-141320	Sequence 141320,
C 420	12	66.7	391	19	US-10-363-829-168	Sequence 168, App	C 493	12	66.7	505	21	US-10-669-162C-247	Sequence 247, App
C 421	12	66.7	393	15	US-10-276-513-5	Sequence 5, Appli	C 494	12	66.7	506	16	US-10-029-386-8251	Sequence 8251, Ap
C 422	12	66.7	394	9	US-09-867-701-6178	Sequence 6178, Ap	C 495	12	66.7	508	9	US-09-864-761-7994	Sequence 7994, Ap
C 423	12	66.7	394	20	US-10-357-930-11094	Sequence 11094, A	C 496	12	66.7	510	16	US-10-029-386-7099	Sequence 7099, Ap
C 424	12	66.7	395	18	US-10-609-021-253	Sequence 253, App	C 497	12	66.7	513	16	US-10-029-386-354	Sequence 354, App
C 425	12	66.7	397	20	US-10-357-930-1963	Sequence 1963, Ap	C 498	12	66.7	517	21	US-10-764-420-1215	Sequence 1215, Ap
C 426	12	66.7	398	20	US-10-357-930-1925	Sequence 1925, Ap	C 499	12	66.7	519	21	US-10-660-811A-110	Sequence 110, App
C 427	12	66.7	398	21	US-10-696-639-897	Sequence 897, App	C 500	12	66.7	531	19	US-10-437-963-78326	Sequence 78326, A
C 428	12	66.7	400	13	US-10-027-632-292328	Sequence 292328,	C 501	12	66.7	532	16	US-10-029-386-2743	Sequence 2743, Ap
C 429	12	66.7	400	13	US-10-027-632-292329	Sequence 292329,	C 502	12	66.7	535	20	US-10-357-930-39241	Sequence 39241, A
C 430	12	66.7	400	17	US-10-027-632-292328	Sequence 292328,	C 503	12	66.7	542	13	US-10-027-632-230493	Sequence 230493,
C 431	12	66.7	400	17	US-10-027-632-292329	Sequence 292329,	C 504	12	66.7	542	17	US-10-027-632-230493	Sequence 230493,
C 432	12	66.7	401	9	US-09-735-705-264	Sequence 264, App	C 505	12	66.7	543	15	US-10-156-761-4088	Sequence 4088, Ap
C 433	12	66.7	401	9	US-09-850-716A-264	Sequence 264, App	C 506	12	66.7	543	13	US-10-027-632-138522	Sequence 138522,
C 434	12	66.7	401	9	US-09-897-778-264	Sequence 264, App	C 507	12	66.7	552	13	US-10-027-632-138523	Sequence 138523,
C 435	12	66.7	401	14	US-10-007-700-264	Sequence 264, App	C 508	12	66.7	552	13	US-10-027-632-138524	Sequence 138524,
C 436	12	66.7	401	15	US-10-117-982-264	Sequence 264, App	C 509	12	66.7	552	17	US-10-027-632-138522	Sequence 138522,
C 437	12	66.7	401	17	US-10-313-986-264	Sequence 264, App	C 510	12	66.7	552	17	US-10-027-632-138523	Sequence 138523,
C 438	12	66.7	401	20	US-10-775-972-264	Sequence 264, App	C 511	12	66.7	552	17	US-10-027-632-138524	Sequence 138524,
C 439	12	66.7	401	22	US-10-922-124-264	Sequence 264, App	C 512	12	66.7	557	16	US-10-029-386-6624	Sequence 6624, Ap
C 440	12	66.7	402	22	US-10-450-763-1567	Sequence 1567, Ap	C 513	12	66.7	559	16	US-10-029-386-1894	Sequence 1894, Ap
C 441	12	66.7	404	9	US-09-867-701-5163	Sequence 5163, Ap	C 514	12	66.7	560	13	US-10-027-632-90602	Sequence 90602, A
C 442	12	66.7	407	19	US-10-437-963-81717	Sequence 81717, A	C 515	12	66.7	560	17	US-10-027-632-90602	Sequence 90602, A
C 443	12	66.7	410	10	US-09-814-353-14240	Sequence 14240, A	C 516	12	66.7	562	16	US-10-029-386-1350	Sequence 1350, Ap
C 444	12	66.7	411	10	US-09-918-995-16711	Sequence 16711, A	C 517	12	66.7	569	9	US-09-864-761-15877	Sequence 15877, A
C 445	12	66.7	412	15	US-10-276-513-4	Sequence 4, Appli	C 518	12	66.7	569	16	US-10-029-386-1176	Sequence 1176, Ap

519	12	66.7	571	16	US-10-029-386-2813	Sequence 2813, Ap	c 592	12	66.7	692	13	US-10-027-632-32098	Sequence 32098, A
520	12	66.7	582	13	US-10-027-632-129745	Sequence 129745, A	c 593	12	66.7	692	13	US-10-027-632-32099	Sequence 32099, A
521	12	66.7	582	17	US-10-027-632-129745	Sequence 129745, A	c 594	12	66.7	692	13	US-10-027-632-32098	Sequence 32098, A
522	12	66.7	584	9	US-09-864-761-9831	Sequence 9831, Ap	c 595	12	66.7	692	17	US-10-027-632-32099	Sequence 32099, A
523	12	66.7	587	19	US-10-430-201-3556	Sequence 3556, Ap	c 596	12	66.7	696	13	US-10-027-632-102781	Sequence 102781, A
524	12	66.7	591	11	US-09-969-034-226	Sequence 226, App	c 597	12	66.7	696	17	US-10-027-632-102781	Sequence 102781, A
525	12	66.7	591	20	US-10-425-115-67445	Sequence 67445, A	c 598	12	66.7	702	16	US-10-002-631C-263	Sequence 263, App
526	12	66.7	599	19	US-10-767-701-29289	Sequence 29289, A	c 599	12	66.7	709	13	US-10-027-632-26808	Sequence 26808, A
527	12	66.7	599	22	US-10-972-079-3298	Sequence 2298, Ap	c 600	12	66.7	709	17	US-10-027-632-26808	Sequence 26808, A
528	12	66.7	599	22	US-10-972-079-15696	Sequence 15696, A	c 601	12	66.7	710	18	US-10-404-460-109	Sequence 109, App
529	12	66.7	599	22	US-10-972-079-28337	Sequence 28337, A	c 602	12	66.7	714	15	US-10-156-761-3416	Sequence 3416, Ap
530	12	66.7	600	14	US-10-198-846-13916	Sequence 13916, A	c 603	12	66.7	715	13	US-10-027-632-144988	Sequence 144988, A
531	12	66.7	600	21	US-10-956-157-10103	Sequence 10103, A	c 604	12	66.7	715	13	US-10-027-632-144989	Sequence 144989, A
532	12	66.7	600	22	US-10-972-079-7582	Sequence 7582, Ap	c 605	12	66.7	715	17	US-10-027-632-144988	Sequence 144988, A
533	12	66.7	600	22	US-10-972-079-21490	Sequence 21490, A	c 606	12	66.7	715	17	US-10-027-632-144989	Sequence 144989, A
534	12	66.7	600	22	US-10-972-079-21491	Sequence 21491, A	c 607	12	66.7	721	9	US-09-974-300-2398	Sequence 2398, Ap
535	12	66.7	600	22	US-10-972-079-25644	Sequence 25644, A	c 608	12	66.7	725	13	US-10-202-193-295	Sequence 295, App
536	12	66.7	600	22	US-10-972-079-29076	Sequence 29076, A	c 609	12	66.7	725	13	US-10-450-763-209	Sequence 209, App
537	12	66.7	600	22	US-10-972-079-75391	Sequence 75391, A	c 610	12	66.7	734	13	US-10-027-632-1052	Sequence 1052, Ap
538	12	66.7	600	22	US-10-972-079-75392	Sequence 75392, A	c 611	12	66.7	734	13	US-10-027-632-1052	Sequence 1052, Ap
539	12	66.7	610	13	US-10-027-632-269815	Sequence 269815, A	c 612	12	66.7	734	17	US-10-027-632-1052	Sequence 1052, Ap
540	12	66.7	610	13	US-10-027-632-269816	Sequence 269816, A	c 613	12	66.7	734	17	US-10-027-632-1053	Sequence 1053, Ap
541	12	66.7	610	17	US-10-027-632-269816	Sequence 269816, A	c 614	12	66.7	736	13	US-10-202-193-294	Sequence 294, App
542	12	66.7	610	17	US-10-027-632-269816	Sequence 269816, A	c 615	12	66.7	740	13	US-10-027-632-172587	Sequence 172587, A
543	12	66.7	610	20	US-10-357-930-21197	Sequence 21197, A	c 616	12	66.7	740	13	US-10-027-632-172587	Sequence 172587, A
544	12	66.7	610	20	US-10-357-930-21229	Sequence 21229, A	c 617	12	66.7	741	13	US-10-027-632-132672	Sequence 132672, A
545	12	66.7	610	20	US-10-357-930-27041	Sequence 27041, A	c 618	12	66.7	741	17	US-10-027-632-132672	Sequence 132672, A
546	12	66.7	610	20	US-10-357-930-27073	Sequence 27073, A	c 619	12	66.7	754	13	US-10-027-632-170495	Sequence 170495, A
547	12	66.7	613	13	US-10-027-632-99472	Sequence 99472, A	c 620	12	66.7	754	17	US-10-027-632-170495	Sequence 170495, A
548	12	66.7	613	17	US-10-027-632-99472	Sequence 99472, A	c 621	12	66.7	759	18	US-10-424-599-41472	Sequence 41472, A
549	12	66.7	615	20	US-10-425-115-40181	Sequence 40181, A	c 622	12	66.7	764	13	US-10-027-632-139086	Sequence 139086, A
550	12	66.7	617	22	US-10-450-763-11759	Sequence 11759, A	c 623	12	66.7	764	17	US-10-027-632-139086	Sequence 139086, A
551	12	66.7	623	13	US-10-027-632-247265	Sequence 247265, A	c 624	12	66.7	768	22	US-10-756-149-1961	Sequence 1961, Ap
552	12	66.7	623	13	US-10-027-632-247266	Sequence 247266, A	c 625	12	66.7	770	17	US-10-188-359-219	Sequence 219, App
553	12	66.7	623	17	US-10-027-632-247265	Sequence 247265, A	c 626	12	66.7	780	13	US-10-027-632-8843	Sequence 8843, Ap
554	12	66.7	625	17	US-10-027-632-247266	Sequence 247266, A	c 627	12	66.7	780	17	US-10-027-632-8843	Sequence 8843, Ap
555	12	66.7	625	18	US-10-276-774-429	Sequence 429, App	c 628	12	66.7	784	13	US-10-027-632-167288	Sequence 167288, A
556	12	66.7	626	13	US-10-027-632-282944	Sequence 282944, A	c 629	12	66.7	784	17	US-10-027-632-167288	Sequence 167288, A
557	12	66.7	626	17	US-10-027-632-282944	Sequence 282944, A	c 630	12	66.7	786	17	US-10-023-339-11	Sequence 11, Appl
558	12	66.7	631	13	US-10-027-632-68162	Sequence 68162, A	c 631	12	66.7	789	14	US-10-284-985-11	Sequence 11, Appl
559	12	66.7	631	13	US-10-027-632-107161	Sequence 107161, A	c 632	12	66.7	793	13	US-10-027-632-157266	Sequence 157266, A
560	12	66.7	631	13	US-10-027-632-139050	Sequence 139050, A	c 633	12	66.7	793	17	US-10-027-632-157266	Sequence 157266, A
561	12	66.7	631	13	US-10-027-632-294984	Sequence 294984, A	c 634	12	66.7	794	20	US-10-128-558-328	Sequence 328, App
562	12	66.7	631	16	US-10-029-386-20805	Sequence 20805, A	c 635	12	66.7	799	22	US-10-450-763-7700	Sequence 7700, Ap
563	12	66.7	631	17	US-10-027-632-68162	Sequence 68162, A	c 636	12	66.7	806	9	US-09-864-761-19552	Sequence 19552, A
564	12	66.7	631	17	US-10-027-632-107161	Sequence 107161, A	c 637	12	66.7	813	18	US-10-424-599-113612	Sequence 113612, A
565	12	66.7	631	17	US-10-027-632-139050	Sequence 139050, A	c 638	12	66.7	819	9	US-09-794-210-1	Sequence 1, Appl
566	12	66.7	631	17	US-10-027-632-294984	Sequence 294984, A	c 639	12	66.7	819	9	US-09-910-174A-20	Sequence 20, Appl
567	12	66.7	642	19	US-10-767-701-19385	Sequence 19385, A	c 640	12	66.7	819	9	US-09-895-837-3	Sequence 3, Appl
568	12	66.7	645	19	US-10-767-701-1097	Sequence 1097, Ap	c 641	12	66.7	819	9	US-09-896-913A-3	Sequence 3, Appl
569	12	66.7	650	18	US-10-276-774-1244	Sequence 1244, Ap	c 642	12	66.7	821	19	US-10-644-671-20	Sequence 20, Appl
570	12	66.7	652	9	US-09-851-138-59	Sequence 59, Appl	c 643	12	66.7	821	19	US-09-729-658B-7	Sequence 7, Appl
571	12	66.7	652	13	US-10-027-632-201615	Sequence 201615, A	c 644	12	66.7	822	16	US-10-041-319-5	Sequence 5, Appl
572	12	66.7	652	17	US-10-027-632-201615	Sequence 201615, A	c 645	12	66.7	822	17	US-10-034-650-42	Sequence 42, Appl
573	12	66.7	657	13	US-10-027-632-137933	Sequence 137933, A	c 646	12	66.7	824	15	US-10-106-698-1180	Sequence 1180, Ap
574	12	66.7	657	17	US-10-027-632-137933	Sequence 137933, A	c 647	12	66.7	828	17	US-10-012-697-410	Sequence 410, App
575	12	66.7	663	13	US-10-027-632-239167	Sequence 239167, A	c 648	12	66.7	829	13	US-10-027-632-158595	Sequence 158595, A
576	12	66.7	663	13	US-10-027-632-239168	Sequence 239168, A	c 649	12	66.7	829	13	US-10-027-632-158596	Sequence 158596, A
577	12	66.7	663	17	US-10-027-632-239167	Sequence 239167, A	c 650	12	66.7	829	17	US-10-027-632-158595	Sequence 158595, A
578	12	66.7	663	17	US-10-027-632-239168	Sequence 239168, A	c 651	12	66.7	829	17	US-10-027-632-158596	Sequence 158596, A
579	12	66.7	663	17	US-10-369-493-34622	Sequence 34622, A	c 652	12	66.7	834	13	US-10-027-632-29790	Sequence 29790, A
580	12	66.7	665	21	US-10-764-420-1439	Sequence 1439, Ap	c 653	12	66.7	834	13	US-10-027-632-137821	Sequence 137821, A
581	12	66.7	672	20	US-10-425-115-169941	Sequence 169941, A	c 654	12	66.7	834	13	US-10-027-632-137822	Sequence 137822, A
582	12	66.7	673	13	US-10-027-632-138772	Sequence 138772, A	c 655	12	66.7	834	17	US-10-027-632-137821	Sequence 137821, A
583	12	66.7	673	13	US-10-027-632-283518	Sequence 283518, A	c 656	12	66.7	834	17	US-10-027-632-137822	Sequence 137822, A
584	12	66.7	673	17	US-10-027-632-138772	Sequence 138772, A	c 657	12	66.7	835	13	US-10-027-632-8295	Sequence 8295, Ap
585	12	66.7	673	17	US-10-027-632-283518	Sequence 283518, A	c 658	12	66.7	835	13	US-10-027-632-8295	Sequence 8295, Ap
586	12	66.7	681	13	US-10-027-632-284925	Sequence 284925, A	c 659	12	66.7	835	17	US-10-027-632-8295	Sequence 8295, Ap
587	12	66.7	681	17	US-10-027-632-284925	Sequence 284925, A	c 660	12	66.7	835	17	US-10-027-632-8295	Sequence 8295, Ap
588	12	66.7	685	10	US-09-853-409-37	Sequence 37, Appl	c 661	12	66.7	837	13	US-10-027-632-139084	Sequence 139084, A
589	12	66.7	685	18	US-10-457-304-37	Sequence 37, Appl	c 662	12	66.7	837	13	US-10-027-632-139085	Sequence 139085, A
590	12	66.7	685	18	US-10-454-293-37	Sequence 37, Appl	c 663	12	66.7	837	13	US-10-027-632-139085	Sequence 139085, A
591	12	66.7	691	19	US-10-767-701-10176	Sequence 10176, A	c 664	12	66.7	837	17	US-10-027-632-139084	Sequence 139084, A

c 665	12	66.7	837	17	US-10-027-632-139085	Sequence 139085,	c 738	12	66.7	1185	22	US-10-450-763-16080	Sequence 16080, A
c 666	12	66.7	842	9	US-09-875-338-20	Sequence 20, Appl	739	12	66.7	1192	18	US-10-641-643-600	Sequence 600, App
c 667	12	66.7	842	14	US-10-077-023-20	Sequence 20, Appl	740	12	66.7	1193	18	US-09-814-353-19874	Sequence 19874, A
c 668	12	66.7	842	22	US-10-994-824-20	Sequence 20, Appl	c 741	12	66.7	1204	10	US-10-425-111-1211	Sequence 1211, Ap
c 669	12	66.7	843	22	US-10-450-763-11760	Sequence 11760, A	742	12	66.7	1207	18	US-10-296-115-569	Sequence 569, App
c 670	12	66.7	857	22	US-10-450-763-315	Sequence 315, App	c 743	12	66.7	1209	9	US-09-955-866-1	Sequence 1, Appl
c 671	12	66.7	861	18	US-10-029-020-29	Sequence 29, Appl	744	12	66.7	1210	17	US-10-158-057-29	Sequence 29, Appl
c 672	12	66.7	882	19	US-10-437-963-51408	Sequence 51408, A	c 745	12	66.7	1223	9	US-09-895-837-1	Sequence 1, Appl
c 673	12	66.7	904	19	US-10-367-094-202	Sequence 202, App	c 746	12	66.7	1223	17	US-09-896-913A-1	Sequence 41, Appl
c 674	12	66.7	911	13	US-10-027-632-9546	Sequence 9546, Ap	c 747	12	66.7	1237	9	US-09-925-300-478	Sequence 478, App
c 675	12	66.7	911	13	US-10-027-632-9546	Sequence 9546, Ap	c 748	12	66.7	1237	9	US-09-925-300-478	Sequence 944, App
c 676	12	66.7	911	17	US-10-027-632-9546	Sequence 9546, Ap	c 749	12	66.7	1248	18	US-10-302-172-844	Sequence 6, Appl
c 677	12	66.7	911	17	US-10-027-632-9547	Sequence 9547, Ap	c 750	12	66.7	1261	9	US-09-755-100-6	Sequence 6, Appl
c 678	12	66.7	912	17	US-10-402-842-8	Sequence 8, Appl	751	12	66.7	1261	17	US-10-298-965-6	Sequence 6, Appl
c 679	12	66.7	912	22	US-10-746-795-8	Sequence 8, Appl	752	12	66.7	1261	20	US-10-800-665-6	Sequence 6, Appl
c 680	12	66.7	916	22	US-10-450-763-4062	Sequence 4062, Ap	753	12	66.7	1294	9	US-09-764-868-198	Sequence 198, App
c 681	12	66.7	939	21	US-10-774-355A-17	Sequence 17, Appl	754	12	66.7	1294	11	US-09-764-875-452	Sequence 21869, A
c 682	12	66.7	950	18	US-10-114-270-103	Sequence 103, App	755	12	66.7	1295	10	US-09-814-353-21869	Sequence 2043, Ap
c 683	12	66.7	951	15	US-10-156-761-719	Sequence 719, App	756	12	66.7	1309	21	US-10-764-420-2043	Sequence 30, Appl
c 684	12	66.7	961	9	US-09-864-761-1566	Sequence 1566, Ap	757	12	66.7	1314	9	US-09-925-297-30	Sequence 15, Appl
c 685	12	66.7	961	13	US-10-027-632-324972	Sequence 324972,	758	12	66.7	1314	17	US-10-264-049-15	Sequence 10366, A
c 686	12	66.7	961	17	US-10-027-632-324972	Sequence 24193, A	759	12	66.7	1323	14	US-10-198-846-10366	Sequence 24, Appl
c 687	12	66.7	977	16	US-10-029-386-24193	Sequence 24193, A	760	12	66.7	1344	10	US-09-984-130-24	Sequence 24, Appl
c 688	12	66.7	982	19	US-10-437-963-81403	Sequence 81403, A	761	12	66.7	1344	10	US-09-836-353A-24	Sequence 142, App
c 689	12	66.7	995	18	US-10-425-114-27811	Sequence 27811, A	762	12	66.7	1344	22	US-10-773-236-142	Sequence 16, Appl
c 690	12	66.7	1005	15	US-10-156-761-1982	Sequence 1982, Ap	c 763	12	66.7	1356	9	US-09-875-338-16	Sequence 16, Appl
c 691	12	66.7	1005	24	US-11-069-543-117	Sequence 117, App	c 764	12	66.7	1356	14	US-10-077-023-16	Sequence 16, Appl
c 692	12	66.7	1005	24	US-11-069-543-123	Sequence 123, App	c 765	12	66.7	1356	22	US-10-994-824-16	Sequence 83, Appl
c 693	12	66.7	1005	24	US-11-069-543-125	Sequence 125, App	766	12	66.7	1372	21	US-10-959-539-83	Sequence 11151, A
c 694	12	66.7	1005	24	US-11-069-543-127	Sequence 127, App	c 767	12	66.7	1383	19	US-10-767-701-11151	Sequence 7203, Ap
c 695	12	66.7	1008	16	US-10-006-285-313	Sequence 313, App	768	12	66.7	1407	17	US-09-764-891-7203	Sequence 34362, A
c 696	12	66.7	1021	18	US-10-264-237-117	Sequence 117, App	c 769	12	66.7	1410	17	US-10-369-493-34362	Sequence 100, App
c 697	12	66.7	1021	18	US-10-425-114-16806	Sequence 16806, A	c 770	12	66.7	1455	18	US-10-425-114-16802	Sequence 28938, A
c 698	12	66.7	1024	15	US-10-097-340-50	Sequence 50, Appl	c 771	12	66.7	1455	19	US-10-384-339C-100	Sequence 11907, A
c 699	12	66.7	1024	15	US-10-212-677-274	Sequence 274, App	c 772	12	66.7	1467	22	US-10-450-763-11907	Sequence 48959, A
c 700	12	66.7	1024	15	US-10-212-677-275	Sequence 275, App	773	12	66.7	1493	20	US-10-425-115-48959	Sequence 70529, A
c 701	12	66.7	1024	17	US-10-361-811-274	Sequence 274, App	c 774	12	66.7	1494	20	US-10-425-115-70529	Sequence 20, Appl
c 702	12	66.7	1024	17	US-10-257-021-141	Sequence 141, App	c 776	12	66.7	1511	17	US-10-764-503-20	Sequence 20, Appl
c 703	12	66.7	1024	17	US-10-369-186-274	Sequence 274, App	c 777	12	66.7	1511	21	US-10-956-157-4361	Sequence 4361, Ap
c 704	12	66.7	1024	17	US-10-369-186-275	Sequence 275, App	c 778	12	66.7	1511	22	US-10-756-149-1424	Sequence 1424, Ap
c 705	12	66.7	1024	24	US-11-050-926-50	Sequence 50, Appl	c 779	12	66.7	1511	22	US-09-764-887-525	Sequence 525, App
c 706	12	66.7	1031	9	US-09-925-301-381	Sequence 381, App	780	12	66.7	1547	14	US-10-073-961-525	Sequence 525, App
c 707	12	66.7	1031	13	US-10-027-632-10588	Sequence 10588, A	781	12	66.7	1547	19	US-10-437-963-26804	Sequence 26804, A
c 708	12	66.7	1031	13	US-10-027-632-10589	Sequence 10589, A	782	12	66.7	1548	19	US-10-398-221-3152	Sequence 3152, Ap
c 709	12	66.7	1031	17	US-10-027-632-10588	Sequence 10588, A	c 783	12	66.7	1549	17	US-10-197-666A-17	Sequence 17, Appl
c 710	12	66.7	1031	17	US-10-027-632-10589	Sequence 10589, A	784	12	66.7	1551	14	US-10-024-298A-72	Sequence 72, Appl
c 711	12	66.7	1057	10	US-09-933-767-204	Sequence 204, App	785	12	66.7	1551	15	US-10-132-089-1	Sequence 1, Appl
c 712	12	66.7	1057	14	US-10-004-860-204	Sequence 204, App	786	12	66.7	1551	16	US-10-042-211A-72	Sequence 72, Appl
c 713	12	66.7	1057	14	US-10-023-282-204	Sequence 204, App	787	12	66.7	1551	16	US-10-617-217A-72	Sequence 72, Appl
c 715	12	66.7	1058	18	US-10-425-114-4019	Sequence 4019, Ap	788	12	66.7	1551	18	US-10-024-298A-72	Sequence 72, Appl
c 716	12	66.7	1058	20	US-10-425-115-76004	Sequence 76004, A	789	12	66.7	1551	20	US-10-024-298A-72	Sequence 72, Appl
c 717	12	66.7	1067	22	US-10-450-763-19229	Sequence 19229, A	790	12	66.7	1559	19	US-10-437-963-60780	Sequence 60780, A
c 718	12	66.7	1071	19	US-10-767-701-11610	Sequence 11610, A	c 791	12	66.7	1561	21	US-10-887-553A-713	Sequence 217, App
c 719	12	66.7	1087	18	US-10-425-114-6937	Sequence 6937, Ap	c 792	12	66.7	1566	17	US-10-295-027-217	Sequence 1, Appl
c 720	12	66.7	1105	17	US-10-369-022-23	Sequence 23, Appl	c 793	12	66.7	1574	10	US-09-729-658B-1	Sequence 1041, A
c 721	12	66.7	1105	17	US-10-305-720-1481	Sequence 1481, Ap	794	12	66.7	1576	19	US-10-437-963-10141	Sequence 16057, A
c 722	12	66.7	1131	10	US-09-903-190-146	Sequence 146, App	795	12	66.7	1578	22	US-10-450-763-16057	Sequence 27, Appl
c 723	12	66.7	1131	11	US-09-978-360A-397	Sequence 397, App	796	12	66.7	1595	14	US-10-163-866-27	Sequence 3, Appl
c 724	12	66.7	1131	21	US-10-930-331-146	Sequence 146, App	797	12	66.7	1599	22	US-10-132-089-3	Sequence 14725, A
c 725	12	66.7	1132	9	US-09-731-872-60	Sequence 60, Appl	798	12	66.7	1599	22	US-10-450-763-14725	Sequence 11, Appl
c 726	12	66.7	1132	21	US-09-876-997-60	Sequence 60, Appl	c 799	12	66.7	1601	18	US-10-648-512-11	Sequence 11, Appl
c 727	12	66.7	1132	21	US-10-643-836-60	Sequence 60, Appl	c 800	12	66.7	1601	24	US-11-061-626-11	Sequence 50, Appl
c 728	12	66.7	1147	16	US-10-168-651-43	Sequence 43, Appl	801	12	66.7	1602	20	US-10-128-558-50	Sequence 5, Appl
c 729	12	66.7	1155	15	US-10-156-761-2666	Sequence 2666, Ap	802	12	66.7	1614	16	US-10-132-089-5	Sequence 3, Appl
c 730	12	66.7	1157	13	US-10-027-632-118118	Sequence 118118,	803	12	66.7	1632	17	US-10-403-938-3	Sequence 445, App
c 731	12	66.7	1157	13	US-10-027-632-124052	Sequence 124052,	c 804	12	66.7	1635	15	US-10-037-270-445	Sequence 445, App
c 732	12	66.7	1157	17	US-10-027-632-118118	Sequence 118118,	c 805	12	66.7	1635	17	US-10-117-722-445	Sequence 143, App
c 733	12	66.7	1157	17	US-10-027-632-124052	Sequence 124052,	806	12	66.7	1644	22	US-10-773-236-143	Sequence 27648, A
c 734	12	66.7	1176	10	US-09-729-658B-14	Sequence 14, Appl	c 807	12	66.7	1650	22	US-10-450-763-16057	Sequence 165, App
c 735	12	66.7	1181	13	US-10-027-632-31633	Sequence 31633, A	c 808	12	66.7	1662	15	US-10-225-567A-165	Sequence 4, Appl
c 736	12	66.7	1181	17	US-10-027-632-31633	Sequence 31633, A	809	12	66.7	1665	10	US-09-910-600-4	Sequence 1649, Ap
c 737	12	66.7	1183	18	US-10-627-757-4	Sequence 4, Appl	810	12	66.7	1670	9	US-09-764-864-1649	

c 811	12	66.7	1678	9	US-09-925-300-153	Sequence 153, App	884	12	66.7	2126	18	US-10-425-114-2180	Sequence 2180, Ap
c 812	12	66.7	1690	18	US-10-425-114-24595	Sequence 24595, A	885	12	66.7	2127	9	US-09-925-299-213	Sequence 213, App
c 813	12	66.7	1691	18	US-10-425-114-15801	Sequence 15801, A	886	12	66.7	2127	10	US-09-925-299-213	Sequence 213, App
c 814	12	66.7	1707	10	US-09-953-348-68	Sequence 68, Appl	887	12	66.7	2127	16	US-10-240-965-133	Sequence 133, App
c 815	12	66.7	1707	15	US-10-267-255-68	Sequence 68, Appl	c 888	12	66.7	2127	16	US-10-240-965-133	Sequence 133, App
c 816	12	66.7	1712	19	US-10-437-963-67500	Sequence 67500, A	c 889	12	66.7	2128	15	US-10-252-157-423	Sequence 423, App
c 817	12	66.7	1714	10	US-09-866-050A-477	Sequence 477, App	c 890	12	66.7	2128	15	US-10-142-174-1	Sequence 1, Appli
c 818	12	66.7	1714	14	US-10-152-661-477	Sequence 477, App	c 891	12	66.7	2128	16	US-10-210-120-56	Sequence 56, Appl
c 819	12	66.7	1721	18	US-10-435-114-34046	Sequence 34046, A	c 892	12	66.7	2128	22	US-10-909-035-56	Sequence 56, Appl
c 820	12	66.7	1734	19	US-10-437-963-59080	Sequence 59080, A	c 893	12	66.7	2137	21	US-10-956-157-4868	Sequence 4868, Ap
c 821	12	66.7	1747	20	US-10-357-930-24635	Sequence 24635, A	c 894	12	66.7	2146	9	US-09-221-258-2	Sequence 2, Appli
c 822	12	66.7	1752	9	US-09-850-799-1	Sequence 1, Appli	c 895	12	66.7	2147	17	US-10-417-827-3	Sequence 3, Appli
c 823	12	66.7	1752	16	US-10-027-859-1	Sequence 1, Appli	c 896	12	66.7	2154	19	US-10-723-829-118	Sequence 118, App
c 824	12	66.7	1773	19	US-10-746-167-71	Sequence 71, Appl	c 897	12	66.7	2162	20	US-10-723-860-6639	Sequence 6639, Ap
c 825	12	66.7	1777	22	US-10-450-186-103	Sequence 103, App	c 898	12	66.7	2163	15	US-10-037-270-334	Sequence 334, App
c 826	12	66.7	1778	18	US-10-424-599-77979	Sequence 77979, A	c 899	12	66.7	2163	17	US-10-117-722-334	Sequence 334, App
c 827	12	66.7	1801	18	US-10-112-944-141	Sequence 141, App	c 900	12	66.7	2166	17	US-10-295-027-215	Sequence 215, App
c 828	12	66.7	1808	20	US-10-425-115-48958	Sequence 48958, A	c 901	12	66.7	2170	17	US-10-284-237-1398	Sequence 1398, Ap
c 829	12	66.7	1809	18	US-10-425-114-27715	Sequence 27715, A	c 902	12	66.7	2171	17	US-10-104-047-731	Sequence 731, App
c 830	12	66.7	1814	9	US-09-955-866-17	Sequence 17, Appl	c 903	12	66.7	2176	19	US-10-614-853-9	Sequence 9, Appli
c 831	12	66.7	1816	22	US-10-450-763-20024	Sequence 20024, A	c 904	12	66.7	2177	10	US-09-919-039-124	Sequence 124, App
c 832	12	66.7	1817	17	US-10-172-118-234	Sequence 234, App	c 905	12	66.7	2195	20	US-10-723-860-3267	Sequence 3267, Ap
c 833	12	66.7	1819	18	US-10-342-887-234	Sequence 234, App	c 906	12	66.7	2196	14	US-10-176-847-91	Sequence 91, Appl
c 834	12	66.7	1824	15	US-10-156-761-1837	Sequence 1837, Ap	c 907	12	66.7	2200	17	US-10-120-988-309	Sequence 309, App
c 835	12	66.7	1857	19	US-10-437-963-60369	Sequence 60369, A	c 908	12	66.7	2208	10	US-09-910-600-15	Sequence 15, Appl
c 836	12	66.7	1864	20	US-10-723-860-7134	Sequence 7134, Ap	c 909	12	66.7	2210	9	US-09-834-975-956	Sequence 956, App
c 837	12	66.7	1877	20	US-10-425-115-70533	Sequence 70533, A	c 910	12	66.7	2213	17	US-10-108-260A-1599	Sequence 1599, Ap
c 838	12	66.7	1884	24	US-11-097-143-17255	Sequence 17255, A	c 911	12	66.7	2213	21	US-10-772-636-27	Sequence 27, Appl
c 839	12	66.7	1889	9	US-09-925-297-277	Sequence 277, App	c 912	12	66.7	2229	9	US-09-910-174A-1	Sequence 1, Appli
c 840	12	66.7	1897	15	US-10-106-698-1737	Sequence 1737, Ap	c 913	12	66.7	2229	19	US-10-644-671-1	Sequence 1, Appli
c 841	12	66.7	1897	24	US-11-097-143-2927	Sequence 2927, Ap	c 914	12	66.7	2232	15	US-10-236-055A-31	Sequence 31, Appl
c 842	12	66.7	1901	20	US-10-723-860-2655	Sequence 2655, Ap	c 915	12	66.7	2235	9	US-09-962-436-308	Sequence 308, App
c 843	12	66.7	1901	22	US-10-756-149-2448	Sequence 2448, Ap	c 916	12	66.7	2235	14	US-10-171-311-39	Sequence 39, Appl
c 844	12	66.7	1908	17	US-10-369-493-40659	Sequence 40659, A	c 917	12	66.7	2235	15	US-10-236-055A-29	Sequence 29, Appl
c 845	12	66.7	1911	20	US-10-425-115-56956	Sequence 56956, A	c 918	12	66.7	2235	15	US-10-101-510-196	Sequence 196, App
c 846	12	66.7	1915	16	US-10-132-089-7	Sequence 7, Appli	c 919	12	66.7	2235	15	US-10-301-822-36	Sequence 36, Appl
c 847	12	66.7	1918	14	US-10-163-866-26	Sequence 26, Appl	c 920	12	66.7	2235	21	US-10-843-641A-2767	Sequence 2767, Ap
c 848	12	66.7	1918	15	US-10-214-867A-5	Sequence 5, Appli	c 921	12	66.7	2235	22	US-10-496-905-29	Sequence 29, Appl
c 849	12	66.7	1962	14	US-10-163-866-28	Sequence 28, Appl	c 922	12	66.7	2240	18	US-10-648-512-13	Sequence 13, Appl
c 850	12	66.7	1967	14	US-10-198-846-9770	Sequence 9770, Ap	c 923	12	66.7	2240	24	US-11-061-626-13	Sequence 13, Appl
c 851	12	66.7	1969	9	US-09-864-761-372	Sequence 372, Ap	c 924	12	66.7	2242	10	US-09-814-353-21297	Sequence 21297, A
c 852	12	66.7	1969	20	US-10-739-930-2998	Sequence 2998, Ap	c 925	12	66.7	2247	9	US-09-880-107-3742	Sequence 3742, Ap
c 853	12	66.7	1974	22	US-10-450-763-16056	Sequence 16056, A	c 926	12	66.7	2247	9	US-09-954-531-171	Sequence 171, App
c 854	12	66.7	1985	17	US-10-403-938-1	Sequence 1, Appli	c 927	12	66.7	2247	10	US-09-918-715-205	Sequence 205, App
c 855	12	66.7	1989	19	US-10-437-963-72421	Sequence 72421, A	c 928	12	66.7	2247	16	US-10-131-985-38	Sequence 38, Appl
c 856	12	66.7	1992	15	US-10-203-821-3	Sequence 3, Appli	c 929	12	66.7	2247	18	US-10-240-425-1542	Sequence 1542, Ap
c 857	12	66.7	1998	20	US-10-128-558-120	Sequence 120, App	c 930	12	66.7	2247	19	US-10-316-755-4	Sequence 4, Appli
c 858	12	66.7	1998	20	US-10-128-558-120	Sequence 120, App	c 931	12	66.7	2247	20	US-10-474-794-205	Sequence 205, App
c 859	12	66.7	2000	22	US-10-823-998-44	Sequence 44, Appl	c 932	12	66.7	2247	21	US-10-901-417-38	Sequence 38, Appl
c 860	12	66.7	2004	18	US-10-451-168-16	Sequence 16, Appl	c 933	12	66.7	2247	21	US-10-843-641A-1238	Sequence 1238, Ap
c 861	12	66.7	2004	22	US-10-980-387-16	Sequence 16, Appl	c 934	12	66.7	2247	22	US-10-979-159-205	Sequence 205, App
c 862	12	66.7	2019	15	US-10-156-761-4549	Sequence 4549, Ap	c 935	12	66.7	2260	15	US-10-177-293-297	Sequence 297, App
c 863	12	66.7	2022	9	US-09-925-298-22	Sequence 22, Appl	c 936	12	66.7	2260	15	US-10-225-486-65	Sequence 65, Appl
c 864	12	66.7	2022	14	US-10-102-806-22	Sequence 22, Appl	c 937	12	66.7	2260	15	US-10-007-926A-346	Sequence 346, App
c 865	12	66.7	2043	20	US-10-357-930-30351	Sequence 30351, A	c 938	12	66.7	2260	15	US-10-301-822-120	Sequence 120, App
c 866	12	66.7	2052	10	US-09-910-600-31	Sequence 31, Appl	c 939	12	66.7	2260	17	US-10-295-027-101	Sequence 101, App
c 867	12	66.7	2058	14	US-10-158-238-1	Sequence 1, Appli	c 940	12	66.7	2260	17	US-10-295-027-961	Sequence 961, App
c 868	12	66.7	2061	18	US-10-451-168-15	Sequence 15, Appl	c 941	12	66.7	2260	18	US-10-188-832-17	Sequence 17, Appl
c 869	12	66.7	2061	22	US-10-980-387-15	Sequence 15, Appl	c 942	12	66.7	2260	18	US-10-741-601-262	Sequence 262, App
c 870	12	66.7	2076	22	US-10-450-763-9843	Sequence 9843, Ap	c 943	12	66.7	2260	20	US-10-723-860-2072	Sequence 2072, Ap
c 871	12	66.7	2076	22	US-10-450-763-9843	Sequence 9843, Ap	c 944	12	66.7	2260	20	US-10-723-860-2072	Sequence 2072, Ap
c 872	12	66.7	2091	15	US-10-142-174-4	Sequence 4, Appli	c 945	12	66.7	2260	21	US-10-751-736-11	Sequence 11, Appl
c 873	12	66.7	2094	19	US-10-381-820A-7	Sequence 7, Appli	c 946	12	66.7	2260	21	US-10-855-588-25	Sequence 25, Appl
c 874	12	66.7	2098	15	US-10-142-174-13	Sequence 13, Appl	c 947	12	66.7	2260	21	US-10-956-157-1508	Sequence 1508, Ap
c 875	12	66.7	2098	15	US-10-142-174-13	Sequence 13, Appl	c 948	12	66.7	2260	22	US-10-756-149-1943	Sequence 1943, Ap
c 876	12	66.7	2098	21	US-10-690-880-12	Sequence 41, Appl	c 949	12	66.7	2272	15	US-10-108-260A-84	Sequence 84, Appl
c 877	12	66.7	2106	15	US-10-831-704-41	Sequence 41, Appl	c 950	12	66.7	2272	15	US-10-142-174-2	Sequence 2, Appli
c 878	12	66.7	2106	15	US-10-008-960-1	Sequence 1, Appli	c 951	12	66.7	2281	17	US-10-131-827-8887	Sequence 8887, Ap
c 879	12	66.7	2110	17	US-10-104-047-1778	Sequence 1778, Ap	c 952	12	66.7	2284	19	US-10-741-601-140	Sequence 140, App
c 880	12	66.7	2114	15	US-10-142-174-3	Sequence 3, Appli	c 953	12	66.7	2284	21	US-10-741-601-435	Sequence 435, App
c 881	12	66.7	2116	20	US-10-723-860-6981	Sequence 6981, Ap	c 954	12	66.7	2294	17	US-10-264-049-818	Sequence 818, App
c 882	12	66.7	2120	15	US-10-142-174-40	Sequence 40, Appl	c 955	12	66.7	2295	10	US-09-964-130-15	Sequence 15, Appl
c 883	12	66.7	2122	18	US-10-424-599-119619	Sequence 119619, A	c 956	12	66.7	2295	17	US-09-836-353A-15	Sequence 15, Appl


```
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 11805
; LENGTH: 418
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIMILAR
; LOCATION: (12)..(143)
; OTHER INFORMATION: 100% homologous to Homo sapiens Amino acid sequence of a
; OTHER INFORMATION: human secreted protein,accession number Y30721,Smith-Waterman Sc
; OTHER INFORMATION: =231.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(418)
; OTHER INFORMATION: n = a,t,c or g
US-10-450-763-11805
```

```
Query Match 72.2%; Score 13; DB 22; Length 418;
Best Local Similarity 92.3%; Pred. No. 1.7e+02;
Matches 12; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 6 CCUGAGNNNNNN 18
||:|||||
Db 140 CCTGGAGNNNNN 152
```

RESULT 7

```
US-10-723-860-5790/c
; Sequence 5790, Application US/10723860
; Publication No. US20040253606A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsburg, Wendy M.
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &
; FILE REFERENCE: 05882.0193.NPUS01
; CURRENT APPLICATION NUMBER: US/10/723,860
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60/429,739
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 8393
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 5790
; LENGTH: 3286
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (248)..(271)
; OTHER INFORMATION: n is a, c, g, or t
US-10-723-860-5790
```

```
Query Match 72.2%; Score 13; DB 20; Length 3286;
Best Local Similarity 92.3%; Pred. No. 1e+02;
Matches 12; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 6 CCUGAGNNNNNN 18
||:|||||
Db 278 CCTGGAGNNNNN 266
```

RESULT 8

```
US-10-723-860-5700/c
; Sequence 5700, Application US/10723860
; Publication No. US20040253606A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsburg, Wendy M.
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &
; FILE REFERENCE: 05882.0193.NPUS01
; CURRENT APPLICATION NUMBER: US/10/723,860
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60/429,739
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 8393
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 5700
; LENGTH: 5132
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (974)..(1005)
; OTHER INFORMATION: n is a, c, g, or t
US-10-723-860-5700
```

```
Query Match 72.2%; Score 13; DB 20; Length 5132;
Best Local Similarity 92.3%; Pred. No. 90;
Matches 12; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 6 CCUGAGNNNNNN 18
||:|||||
Db 1012 CCTGGAGNNNNN 1000
```

RESULT 9

```
US-09-997-722-193/c
; Sequence 193, Application US/09997722
; Publication No. US20040072154A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David
; APPLICANT: Engelhard, Eric
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
; FILE REFERENCE: A-71171/RMS/DCF
; CURRENT APPLICATION NUMBER: US/09/997,722
; CURRENT FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: US 09/747,377
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 301
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 193
; LENGTH: 92726
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (122)..(148)
; OTHER INFORMATION: "n" at positions 122 through 148 can be any base.
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (3122)..(3263)
; OTHER INFORMATION: "n" at positions 3122 through 3263 can be any base.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (7485)..(8927)
; OTHER INFORMATION: "n" at positions 7485 through 8927 can be any base.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (24884)..(25439)
; OTHER INFORMATION: "n" at positions 24884 through 25439 can be any base.
; FEATURE:
```

/ NAME/KEY: misc_feature
/ LOCATION: (36036)..(36055)
/ OTHER INFORMATION: "n" at positions 36036 through 36055 can be any base.
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: (46607)..(46729)
/ OTHER INFORMATION: "n" at positions 46607 through 46729 can be any base.
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: (77651)..(77670)
/ OTHER INFORMATION: "n" at positions 77651 through 77670 can be any base.
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: (81264)..(81462)
/ OTHER INFORMATION: "n" at positions 81264 through 81462 can be any base.
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: (89156)..(89175)
/ OTHER INFORMATION: "n" at positions 89156 through 89175 can be any base.
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: (90342)..(90361)
/ OTHER INFORMATION: "n" at positions 90342 through 90361 can be any base.
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: (91379)..(91398)
/ OTHER INFORMATION: "n" at positions 91379 through 91398 can be any base.
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: (92723)..(92726)
/ OTHER INFORMATION: "n" at positions 92723 through 92726 can be any base.
US-09-997-722-193

Query Match 72.2%; Score 13; DB 11; Length 92726;
Best Local Similarity 92.3%; Pred. No. 43;
Matches 12; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 6 CCUGGAGNNNNN 18
||:|||||
Db 155 CTGGAGNNNNN 143

RESULT 10
US-10-087-192-1015
/ Sequence 1015, Application US/10087192
/ Publication No. US20020182586A1
/ GENERAL INFORMATION:
/ APPLICANT: Engelhard, Eric K.
/ TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR
/ CANCELS
/ FILE REFERENCE: 529452000122
/ CURRENT APPLICATION NUMBER: US/10/087,192
/ CURRENT FILING DATE: 2002-03-01
/ PRIOR APPLICATION NUMBER: US 09/747,377
/ PRIOR FILING DATE: 2000-12-22
/ PRIOR APPLICATION NUMBER: US 09/798,586
/ PRIOR FILING DATE: 2001-03-02
/ NUMBER OF SEQ ID NOS: 2059
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 1015
/ LENGTH: 165221
/ TYPE: DNA
/ ORGANISM: Mus musculus
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: (1)..(165221)
/ OTHER INFORMATION: "n" = A,T,C or G
US-10-087-192-1015

Query Match 72.2%; Score 13; DB 13; Length 165221;
Best Local Similarity 92.3%; Pred. No. 37;
Matches 12; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 6 CCUGGAGNNNNN 18
||:|||||
Db 59475 CCTGGAGNNNNN 59487

RESULT 11
US-10-394-948-31
/ Sequence 31, Application US/10394948
/ Publication No. US20040023267A1
/ GENERAL INFORMATION:
/ APPLICANT: Morris, David W.
/ TITLE OF INVENTION: No. US20040023267A1 Compositions and Methods in Cancer
/ FILE REFERENCE: 529452000900
/ CURRENT APPLICATION NUMBER: US/10/394,948
/ CURRENT FILING DATE: 2003-03-21
/ PRIOR APPLICATION NUMBER: US 60/367,025
/ PRIOR FILING DATE: 2002-03-21
/ NUMBER OF SEQ ID NOS: 34
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 31
/ LENGTH: 167163
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: (1)..(167163)
/ OTHER INFORMATION: "n" = A,T,C or G
US-10-394-948-31

Query Match 72.2%; Score 13; DB 17; Length 167163;
Best Local Similarity 92.3%; Pred. No. 37;
Matches 12; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 6 CCUGGAGNNNNN 18
||:|||||
Db 62041 CCTGGAGNNNNN 62053

RESULT 12
US-08-887-505-47
/ Sequence 47, Application US/08887505
/ Publication No. US20020081577A1
/ GENERAL INFORMATION:
/ APPLICANT: Kilkuskie, Robert E.
/ APPLICANT: Frank, Bruce L.
/ APPLICANT: Goodchild, John
/ APPLICANT: Wolfe, Jia L.
/ APPLICANT: Roberts, Peter C.
/ APPLICANT: Hamlin, Jr., Henry A.
/ APPLICANT: Roberts, No. US20020081577A1 A.
/ APPLICANT: Walther, Debra M.
/ TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
/ NUMBER OF SEQUENCES: 172
/ CORESPONDENCE ADDRESS:
/ ADDRESSEE: Hale and Dorr LLP
/ STREET: 60 State Street
/ CITY: Boston
/ STATE: MA
/ COUNTRY: USA
/ ZIP: 02109
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/887,505
/ FILING DATE:
/ CLASSIFICATION: 514
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/471,968

```
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 47:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: RNA
; HYPOTHEICAL: NO
; ANTI-SENSE: YES
US-08-887-505-47

Query Match 66.7%; Score 12; DB 8; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.6e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 1 GGGGUCCUGGAG 12

RESULT 13
US-10-291-230-43/c
; Sequence 43, Application US/10291230
; Publication No. US20030108939A1
; GENERAL INFORMATION:
; APPLICANT: Ruffner, Duane E.
; APPLICANT: Pierce, Michael L.
; APPLICANT: Chen, Zhidong
; TITLE OF INVENTION: Directed Antisense Libraries
; FILE REFERENCE: T6678.US.A
; CURRENT APPLICATION NUMBER: US 10/291,230
; CURRENT FILING DATE: 2002-11-07
; PRIOR APPLICATION NUMBER: US 09/647,344
; PRIOR FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: PCT/US99/06742
; PRIOR FILING DATE: 1999-03-28
; PRIOR APPLICATION NUMBER: US 60/079,792
; PRIOR FILING DATE: 1998-03-28
; PRIOR APPLICATION NUMBER: US 60/107,504
; PRIOR FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 43
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: A portion of an antisense library including a BpmI site.
US-10-291-230-43

Query Match 66.7%; Score 12; DB 15; Length 12;
Best Local Similarity 91.7%; Pred. No. 1.6e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 7 CUGGAGNNNNN 18
Db 12 CTGGAGNNNNN 1

RESULT 14
US-10-291-249-43/c
; Sequence 43, Application US/10291249
; Publication No. US20030119041A1
; GENERAL INFORMATION:
; APPLICANT: Ruffner, Duane E.
; APPLICANT: Pierce, Michael L.
; APPLICANT: Chen, Zhidong
; TITLE OF INVENTION: Directed Antisense Libraries
; FILE REFERENCE: T6678.US.B
; CURRENT APPLICATION NUMBER: US/10/291,249
; CURRENT FILING DATE: 2002-11-07
; PRIOR APPLICATION NUMBER: US 09/647,344
; PRIOR FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: PCT/US99/06742
; PRIOR FILING DATE: 1999-03-28
; PRIOR APPLICATION NUMBER: US 60/079,792
; PRIOR FILING DATE: 1998-03-28
; PRIOR APPLICATION NUMBER: US 60/107,504
; PRIOR FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 43
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: A portion of an antisense library including a BpmI site.
US-10-291-249-43

Query Match 66.7%; Score 12; DB 15; Length 12;
Best Local Similarity 91.7%; Pred. No. 1.6e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 7 CUGGAGNNNNN 18
Db 12 CTGGAGNNNNN 1

RESULT 15
US-10-322-138-5/c
; Sequence 5, Application US/10322138
; Publication No. US20030175765A1
; GENERAL INFORMATION:
; APPLICANT: Kessler, Christoph
; APPLICANT: Habershausen, Gerd
; APPLICANT: Bartl, Knut
; APPLICANT: Orum, Henrik
; TITLE OF INVENTION: SPECIFIC AND SENSITIVE METHOD FOR DETECTING NUCLEIC ACIDS
; FILE REFERENCE: 4817/OO
; CURRENT APPLICATION NUMBER: US/10/322,138
; CURRENT FILING DATE: 2002-12-17
; PRIOR APPLICATION NUMBER: US/09/530,746B
; PRIOR FILING DATE: 2000-11-16
; NUMBER OF SEQ ID NOS: 95
; SOFTWARE: PatentIn Version 3.1
; SEQ ID NO 5
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: probe
US-10-322-138-5

Query Match 66.7%; Score 12; DB 16; Length 12;
Best Local Similarity 83.3%; Pred. No. 1.6e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 12 GGGGTCCTGGAG 1

RESULT 16
US-10-291-249-43/c
```

RESULT 16
US-09-504-231A-1587/c
; Sequence 1587, Application US/09504231A
; Patent No. US20020013458A1
; GENERAL INFORMATION:
; APPLICANT: Blatt, Lawrence
; APPLICANT: McSwiggen, James
; APPLICANT: Roberts, Beth
; APPLICANT: Favco, Pamela
; APPLICANT: Macejak, Dennis
; TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES OR CONDITIONS RELATE
; TITLE OF INVENTION: HEPATITIS C VIRUS INFECTION
; FILE REFERENCE: rpi 247/282
; CURRENT APPLICATION NUMBER: US/09/504,231A
; CURRENT FILING DATE: 2000-02-15
; PRIOR APPLICATION NUMBER: 09/274,553
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 09/257,608
; PRIOR FILING DATE: 1999-02-24
; PRIOR APPLICATION NUMBER: 60/100,842
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/083,217
; PRIOR FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 3242
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1587
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid Target
US-09-504-231A-1587

Query Match 66.7%; Score 12; DB 9; Length 15;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
|||:|:|:|
DB 15 GGGGTCCTGGAG 4

RESULT 17
US-09-274-553D-1587/c
; Sequence 1587, Application US/09274553D
; Patent No. US20020082225A1
; GENERAL INFORMATION:
; APPLICANT: Blatt, Lawrence
; APPLICANT: McSwiggen, James
; APPLICANT: Roberts, Beth
; APPLICANT: Favco, Pamela
; APPLICANT: Macejak, Dennis
; TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES OR CONDITIONS RELATE
; TITLE OF INVENTION: HEPATITIS C VIRUS INFECTION
; FILE REFERENCE: rpi 247/282
; CURRENT APPLICATION NUMBER: US/09/274,553D
; CURRENT FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 09/257,608
; PRIOR FILING DATE: 1999-02-24
; PRIOR APPLICATION NUMBER: 60/100,842
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/083,217
; PRIOR FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 3148
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1587
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid Target

US-09-274-553D-1587

Query Match 66.7%; Score 12; DB 9; Length 15;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGGGUCCUGGAG 12
|||:|:|:|
DB 15 GGGGTCCTGGAG 4

RESULT 18
US-09-740-332-26/c
; Sequence 26, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
; TITLE OF INVENTION: Hepatitis C Virus Infection
; FILE REFERENCE: RPI 400/003
; CURRENT APPLICATION NUMBER: US/09/740,332
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9704
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 26
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-26

Query Match 66.7%; Score 12; DB 10; Length 17;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
|||:|:|:|
DB 13 GGGGTCCTGGAG 2

RESULT 19
US-09-740-332-4529
; Sequence 4529, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
; TITLE OF INVENTION: Hepatitis C Virus Infection
; FILE REFERENCE: RPI 400/003
; CURRENT APPLICATION NUMBER: US/09/740,332
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9704
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4529
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-4529

Query Match 66.7%; Score 12; DB 10; Length 17;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
|||:|:|:|
DB 6 GGGGUCCUGGAG 17

```
RESULT 20
US-09-817-879-26/c
; Sequence 26, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection
; FILE REFERENCE: MBH00-801-F
; CURRENT APPLICATION NUMBER: US/09/817,879
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 26
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-817-879-26

Query Match      66.7%; Score 12; DB 10; Length 17;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 13 GGGGTCCTGGAG 2
      |||||:|||||
      |||||:|||||

RESULT 21
US-09-817-879-4529
; Sequence 4529, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection
; FILE REFERENCE: MBH00-801-F
; CURRENT APPLICATION NUMBER: US/09/817,879
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4529
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-817-879-4529

Query Match      66.7%; Score 12; DB 10; Length 17;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 6 GGGGUCCUGGAG 17
      |||||:|||||
      |||||:|||||

RESULT 22
US-10-298-255-4/c
; Sequence 4, Application US/10298255
; Publication No. US20030134312A1
; GENERAL INFORMATION:
; APPLICANT: BURGONYE, LEIGH A.
; TITLE OF INVENTION: METHODS AND MATERIALS FOR DETECTING GENETIC MATERIAL
```

```
; FILE REFERENCE: 45858-56064
; CURRENT APPLICATION NUMBER: US/10/298,255
; CURRENT FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: 60/336,005
; PRIOR FILING DATE: 2001-11-15
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-298-255-4

Query Match      66.7%; Score 12; DB 15; Length 17;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 16 GGGGTCCTGGAG 5
      |||||:|||||
      |||||:|||||

RESULT 23
US-10-669-841-2619/c
; Sequence 2619, Application US/10669841
; Publication No. US20040127446A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Lawrence, Blatt
; APPLICANT: Dennis, Macejak
; APPLICANT: James, McSwiggen
; APPLICANT: David, Morrissey
; APPLICANT: Pamela, Pavco
; APPLICANT: Patrice, Lee
; APPLICANT: Kenneth, Draper
; APPLICANT: Elisabeth, Roberts
; TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPATITIS C VIRUS
; FILE REFERENCE: 400/042US (MBH02-249-E)
; CURRENT APPLICATION NUMBER: US/10/669,841
; CURRENT FILING DATE: 2003-09-23
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: US 60/296,876
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 60/335,059
; PRIOR FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 60/337,055
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 09/817,879
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: US 09/740,332
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: US 09/611,931
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 09/504,321
; PRIOR FILING DATE: 2000-02-15
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 16207
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2619
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
```


; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-10-669-841-2619

Query Match 66.7%; Score 12; DB 19; Length 17;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 13 GGGGTCTCGAG 2

RESULT 24
US-10-669-841-7122
; Sequence 7122, Application US/10669841
; Publication No. US20040127446A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.

; APPLICANT: Lawrence, Blatt
; APPLICANT: Dennis, Macejak
; APPLICANT: James, McSwiggen
; APPLICANT: David, Morrissey
; APPLICANT: Pamela, Pavco
; APPLICANT: Patrice, Lee
; APPLICANT: Kenneth, Draper
; APPLICANT: Elisabeth, Roberts
; TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEP
; FILE REFERENCE: 400/042US (MEHB02-249-E)
; CURRENT APPLICATION NUMBER: US/10/669,841
; CURRENT FILING DATE: 2003-09-23
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: US 60/296,876
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 60/335,059
; PRIOR FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 60/337,055
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 09/817,879
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: US 09/740,332
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: US 09/611,931
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 09/504,321
; PRIOR FILING DATE: 2000-02-15
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 16207
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7122
; LENGTH: 17

; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-10-669-841-7122

Query Match 66.7%; Score 12; DB 19; Length 17;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12

Db 6 GGGGUCCUGGAG 17

RESULT 25
US-11-016-291-4/c
; Sequence 4, Application US/11016291
; Publication No. US20050095641A1
; GENERAL INFORMATION:
; APPLICANT: BURGONE, LEIGH A.
; TITLE OF INVENTION: METHODS AND MATERIALS FOR DETECTING GENETIC MATERIAL
; FILE REFERENCE: 45858-56064
; CURRENT APPLICATION NUMBER: US/11/016,291
; CURRENT FILING DATE: 2004-12-17
; PRIOR APPLICATION NUMBER: 60/336,005
; PRIOR FILING DATE: 2001-11-15
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-11-016-291-4

Query Match 66.7%; Score 12; DB 23; Length 17;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 16 GGGGTCTCGAG 5

RESULT 26
US-08-887-505-39
; Sequence 39, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; APPLICANT: Walther, Debra M.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; TITLE OF INVENTION: HEPATITIS C VIRUS
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523

REFERENCE/DOCKET NUMBER: HYZ-040CIP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 526-6000
TELEFAX: (617) 526-5000
INFORMATION FOR SEQ ID NO: 39:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA/RNA
HYPOTHETICAL: NO
ANTI-SENSE: YES
US-08-887-505-39

Query Match 66.7%; Score 12; DB 8; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
| | | | | | | | | |
Db 1 GGGGUCCUGGAG 12

RESULT 27
US-08-887-505-40
Sequence 40, Application US/08887505
Publication No. US20020081577A1
GENERAL INFORMATION:
APPLICANT: Kilkuskie, Robert E.
APPLICANT: Frank, Bruce L.
APPLICANT: Goodchild, John
APPLICANT: Wolfe, Jia L.
APPLICANT: Roberts, Peter C.
APPLICANT: Hamlin, Jr., Henry A.
APPLICANT: Roberts, No. US20020081577A1 A.
APPLICANT: Walther, Debra M.
TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
TITLE OF INVENTION: HEPATITIS C VIRUS
NUMBER OF SEQUENCES: 172
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hale and Dorr LLP
STREET: 60 State Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,505
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/471,968
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Kerner, Ann-Louise
REGISTRATION NUMBER: 33,523
REFERENCE/DOCKET NUMBER: HYZ-040CIP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 526-6000
TELEFAX: (617) 526-5000
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA/RNA

HYPOTHETICAL: NO
ANTI-SENSE: YES
US-08-887-505-40

Query Match 66.7%; Score 12; DB 8; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
| | | | | | | | | |
Db 7 GGGGUCCUGGAG 18

RESULT 28
US-08-887-505-41
Sequence 41, Application US/08887505
Publication No. US20020081577A1
GENERAL INFORMATION:
APPLICANT: Kilkuskie, Robert E.
APPLICANT: Frank, Bruce L.
APPLICANT: Goodchild, John
APPLICANT: Wolfe, Jia L.
APPLICANT: Roberts, Peter C.
APPLICANT: Hamlin, Jr., Henry A.
APPLICANT: Roberts, No. US20020081577A1 A.
APPLICANT: Walther, Debra M.
TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
TITLE OF INVENTION: HEPATITIS C VIRUS
NUMBER OF SEQUENCES: 172
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hale and Dorr LLP
STREET: 60 State Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,505
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/471,968
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Kerner, Ann-Louise
REGISTRATION NUMBER: 33,523
REFERENCE/DOCKET NUMBER: HYZ-040CIP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 526-6000
TELEFAX: (617) 526-5000
INFORMATION FOR SEQ ID NO: 41:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA/RNA
HYPOTHETICAL: NO
ANTI-SENSE: YES
US-08-887-505-41

Query Match 66.7%; Score 12; DB 8; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
| | | | | | | | | |
Db 1 GGGGUCCUGGAG 12

RESULT 29
US-08-887-505-42
; Sequence 42, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; APPLICANT: Walther, Debra M.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 42:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA/RNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
US-08-887-505-42

Query Match 66.7%; Score 12; DB 8; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 7 GGGGUCCUGGAG 18

RESULT 30
US-08-887-505-43
; Sequence 43, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.

; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; APPLICANT: Walther, Debra M.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 43:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA/RNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
US-08-887-505-43

Query Match 66.7%; Score 12; DB 8; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 1 GGGGUCCUGGAG 12

RESULT 31
US-08-887-505-44
; Sequence 44, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; APPLICANT: Walther, Debra M.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston

```
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 44:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA/RNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
; US-08-887-505-44

Query Match 66.7%; Score 12; DB 8; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 7 GGGGUCCUGGAG 18

RESULT 32
US-08-887-505-45
; Sequence 45, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; APPLICANT: Walther, Debra M.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; FILING DATE:
```

```
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 45:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA/RNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
; US-08-887-505-45

Query Match 66.7%; Score 12; DB 8; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 1 GGGGUCCUGGAG 12

RESULT 33
US-08-887-505-46
; Sequence 46, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; APPLICANT: Walther, Debra M.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; FILING DATE:
```

INFORMATION FOR SEQ ID NO: 46:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA/RNA
HYPOTHETICAL: NO
ANTI-SENSE: YES
US-08-887-505-46

Query Match 66.7%; Score 12; DB 8; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
DB 7 GGGGUCCUGGAG 18

RESULT 34

US-08-887-505-49
Sequence 49, Application US/08887505
Publication No. US20020081577A1
GENERAL INFORMATION:
APPLICANT: Kilkuskie, Robert E.
APPLICANT: Frank, Bruce L.
APPLICANT: Goodchild, John
APPLICANT: Wolfe, Jia L.
APPLICANT: Roberts, Peter C.
APPLICANT: Hamlin, Jr., Henry A.
APPLICANT: Roberts, No. US20020081577A1 A.
APPLICANT: Walther, Debra M.
TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
TITLE OF INVENTION: HEPATITIS C VIRUS
NUMBER OF SEQUENCES: 172
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hale and Dorr LLP
STREET: 60 State Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,505
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/471,968
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Kerner, Ann-Louise
REGISTRATION NUMBER: 33,523
REFERENCE/DOCKET NUMBER: HYZ-040CIP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 526-6000
TELEFAX: (617) 526-5000

INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA/RNA
HYPOTHETICAL: NO
ANTI-SENSE: YES
US-08-887-505-49

Query Match 66.7%; Score 12; DB 8; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
DB 1 GGGGUCCUGGAG 12

RESULT 35

US-08-887-505-50
Sequence 50, Application US/08887505
Publication No. US20020081577A1
GENERAL INFORMATION:
APPLICANT: Kilkuskie, Robert E.
APPLICANT: Frank, Bruce L.
APPLICANT: Goodchild, John
APPLICANT: Wolfe, Jia L.
APPLICANT: Roberts, Peter C.
APPLICANT: Hamlin, Jr., Henry A.
APPLICANT: Roberts, No. US20020081577A1 A.
APPLICANT: Walther, Debra M.
TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
TITLE OF INVENTION: HEPATITIS C VIRUS
NUMBER OF SEQUENCES: 172
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hale and Dorr LLP
STREET: 60 State Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,505
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/471,968
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Kerner, Ann-Louise
REGISTRATION NUMBER: 33,523
REFERENCE/DOCKET NUMBER: HYZ-040CIP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 526-6000
TELEFAX: (617) 526-5000

INFORMATION FOR SEQ ID NO: 50:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA/RNA
HYPOTHETICAL: NO
ANTI-SENSE: YES
US-08-887-505-50

Query Match 66.7%; Score 12; DB 8; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
DB 7 GGGGUCCUGGAG 18

RESULT 36

US-08-887-505-51

```
; Sequence 51, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; APPLICANT: Walther, Debra M.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; HEPATITIS C VIRUS
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 51:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
; US-08-887-505-51

Query Match 66.7%; Score 12; DB 8; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 1 GGGGUCCUGGAG 12

RESULT 37
US-08-887-505-52
; Sequence 52, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; APPLICANT: Walther, Debra M.

; Sequence 53, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; APPLICANT: Walther, Debra M.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; HEPATITIS C VIRUS
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 51:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA/RNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
; US-08-887-505-52

Query Match 66.7%; Score 12; DB 8; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 1 GGGGUCCUGGAG 12

RESULT 38
US-08-887-505-53
; Sequence 53, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; APPLICANT: Walther, Debra M.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; HEPATITIS C VIRUS
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 52:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
; US-08-887-505-52

Query Match 66.7%; Score 12; DB 8; Length 18;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 7 GGGGTCCTGGAG 18
```

```
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/887,505
/ FILING DATE:
/ CLASSIFICATION: 514
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/471,968
/ FILING DATE: 06-JUN-1995
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Kerner, Ann-Louise
/ REGISTRATION NUMBER: 33,523
/ REFERENCE/DOCKET NUMBER: HYZ-040CIP
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (617) 526-6000
/ TELEFAX: (617) 526-6000
/ INFORMATION FOR SEQ ID NO: 53:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 18 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA/RNA
/ HYPOTHETICAL: NO
/ ANTI-SENSE: YES
/
US-08-887-505-53

Query Match 66.7%; Score 12; DB 8; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 1 GGGGUCCUGGAG 12

RESULT 39
US-08-887-505-54
/ Sequence 54, Application US/08887505
/ Publication No. US20020081577A1
/ GENERAL INFORMATION:
/ APPLICANT: Kilkuskie, Robert E.
/ APPLICANT: Frank, Bruce L.
/ APPLICANT: Goodchild, John
/ APPLICANT: Wolfe, Jia L.
/ APPLICANT: Roberts, Peter C.
/ APPLICANT: Hamlin, Jr., Henry A.
/ APPLICANT: Roberts, No. US20020081577A1 A.
/ TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
/ TITLE OF INVENTION: HEPATITIS C VIRUS
/ NUMBER OF SEQUENCES: 172
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Hale and Dorr LLP
/ STREET: 60 State Street
/ CITY: Boston
/ STATE: MA
/ COUNTRY: USA
/ ZIP: 02109
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/887,505
/ FILING DATE:
/ CLASSIFICATION: 514
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/471,968
/ FILING DATE: 06-JUN-1995
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Kerner, Ann-Louise
/ REGISTRATION NUMBER: 33,523
/ REFERENCE/DOCKET NUMBER: HYZ-040CIP
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (617) 526-6000
/ TELEFAX: (617) 526-6000
/ INFORMATION FOR SEQ ID NO: 54:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 18 base pairs
/ TYPE: nucleic acid
```

```
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Kerner, Ann-Louise
/ REGISTRATION NUMBER: 33,523
/ REFERENCE/DOCKET NUMBER: HYZ-040CIP
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (617) 526-6000
/ TELEFAX: (617) 526-5000
/ INFORMATION FOR SEQ ID NO: 54:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 18 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA/RNA
/ HYPOTHETICAL: NO
/ ANTI-SENSE: YES
/
US-08-887-505-54

Query Match 66.7%; Score 12; DB 8; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 7 GGGGUCCUGGAG 18

RESULT 40
US-08-887-505-141
/ Sequence 141, Application US/08887505
/ Publication No. US20020081577A1
/ GENERAL INFORMATION:
/ APPLICANT: Kilkuskie, Robert E.
/ APPLICANT: Frank, Bruce L.
/ APPLICANT: Goodchild, John
/ APPLICANT: Wolfe, Jia L.
/ APPLICANT: Roberts, Peter C.
/ APPLICANT: Hamlin, Jr., Henry A.
/ APPLICANT: Roberts, No. US20020081577A1 A.
/ TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
/ TITLE OF INVENTION: HEPATITIS C VIRUS
/ NUMBER OF SEQUENCES: 172
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Hale and Dorr LLP
/ STREET: 60 State Street
/ CITY: Boston
/ STATE: MA
/ COUNTRY: USA
/ ZIP: 02109
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/887,505
/ FILING DATE:
/ CLASSIFICATION: 514
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/471,968
/ FILING DATE: 06-JUN-1995
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Kerner, Ann-Louise
/ REGISTRATION NUMBER: 33,523
/ REFERENCE/DOCKET NUMBER: HYZ-040CIP
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (617) 526-6000
/ TELEFAX: (617) 526-5000
/ INFORMATION FOR SEQ ID NO: 141:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 18 base pairs
/ TYPE: nucleic acid
```

STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA/RNA
HYPOTHETICAL: NO
ANTI-SENSE: YES
US-08-887-505-141

Query Match 66.7%; Score 12; DB 8; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
| | | | | | | | | |
Db 7 GGGGUCCUGGAG 18

RESULT 41

US-08-887-505-142

; Sequence 142, Application US/08887505
; Publication No. US20020081577A1

GENERAL INFORMATION:

; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; APPLICANT: Walther, Debra M.

; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; HEPATITIS C VIRUS

NUMBER OF SEQUENCES: 172

CORRESPONDENCE ADDRESS:

ADDRESSEE: Hale and Dorr LLP

STREET: 60 State Street

CITY: Boston

STATE: MA

COUNTRY: USA

ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/887,505

FILING DATE:

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/471,968

FILING DATE: 06-JUN-1995

ATTORNEY/AGENT INFORMATION:

NAME: Kerner, Ann-Louise

REGISTRATION NUMBER: 33,523

REFERENCE/DOCKET NUMBER: HY2-040C1P

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 526-6000

TELEFAX: (617) 526-5000

INFORMATION FOR SEQ ID NO: 142:

SEQUENCE CHARACTERISTICS:

LENGTH: 18 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA/RNA

HYPOTHETICAL: NO

ANTI-SENSE: YES

US-08-887-505-142

Query Match

Best Local Similarity 66.7%; Score 12; DB 8; Length 18;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
| | | | | | | | | |
Db 7 GGGGUCCUGGAG 18

RESULT 42

US-08-887-505-143

; Sequence 143, Application US/08887505
; Publication No. US20020081577A1

GENERAL INFORMATION:

; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; APPLICANT: Walther, Debra M.

; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; HEPATITIS C VIRUS

NUMBER OF SEQUENCES: 172

CORRESPONDENCE ADDRESS:

ADDRESSEE: Hale and Dorr LLP

STREET: 60 State Street

CITY: Boston

STATE: MA

COUNTRY: USA

ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/887,505

FILING DATE:

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/471,968

FILING DATE: 06-JUN-1995

ATTORNEY/AGENT INFORMATION:

NAME: Kerner, Ann-Louise

REGISTRATION NUMBER: 33,523

REFERENCE/DOCKET NUMBER: HY2-040C1P

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 526-6000

TELEFAX: (617) 526-5000

INFORMATION FOR SEQ ID NO: 143:

SEQUENCE CHARACTERISTICS:

LENGTH: 18 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA/RNA

HYPOTHETICAL: NO

ANTI-SENSE: YES

US-08-887-505-143

Query Match

Best Local Similarity 66.7%; Score 12; DB 8; Length 18;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
| | | | | | | | | |
Db 7 GGGGUCCUGGAG 18

RESULT 43

US-08-887-505-144

; Sequence 144, Application US/08887505
; Publication No. US20020081577A1

GENERAL INFORMATION:

; APPLICANT: Kilkuskie, Robert E.

APPLICANT: Frank, Bruce L.
APPLICANT: Goodchild, John
APPLICANT: Wolfe, Jia L.
APPLICANT: Roberts, Peter C.
APPLICANT: Hamlin, Jr., Henry A.
APPLICANT: Roberts, No. US20020081577A1 A.
APPLICANT: Walther, Debra M.
TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
TITLE OF INVENTION: HEPATITIS C VIRUS
NUMBER OF SEQUENCES: 172
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hale and Dorr LLP
STREET: 60 State Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,505
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/471,968
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Kerner, Ann-Louise
REGISTRATION NUMBER: 33,523
REFERENCE/DOCKET NUMBER: HYZ-040CIP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 526-6000
TELEFAX: (617) 526-5000
INFORMATION FOR SEQ ID NO: 144:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA/RNA
HYPOTHETICAL: NO
ANTI-SENSE: YES
US-08-887-505-144

Query Match 66.7%; Score 12; DB 8; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
DB 7 GGGGUCCUGGAG 18

RESULT 44
US-08-887-505-145
Sequence 145, Application US/08887505
Publication No. US20020081577A1
GENERAL INFORMATION:
APPLICANT: Kilkuskie, Robert E.
APPLICANT: Frank, Bruce L.
APPLICANT: Goodchild, John
APPLICANT: Wolfe, Jia L.
APPLICANT: Roberts, Peter C.
APPLICANT: Hamlin, Jr., Henry A.
APPLICANT: Roberts, No. US20020081577A1 A.
APPLICANT: Walther, Debra M.
TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
TITLE OF INVENTION: HEPATITIS C VIRUS
NUMBER OF SEQUENCES: 172
CORRESPONDENCE ADDRESS:

ADDRESSEE: Hale and Dorr LLP
STREET: 60 State Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,505
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/471,968
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Kerner, Ann-Louise
REGISTRATION NUMBER: 33,523
REFERENCE/DOCKET NUMBER: HYZ-040CIP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 526-6000
TELEFAX: (617) 526-5000
INFORMATION FOR SEQ ID NO: 145:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA/RNA
HYPOTHETICAL: NO
ANTI-SENSE: YES
US-08-887-505-145

Query Match 66.7%; Score 12; DB 8; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
DB 1 GGGGUCCUGGAG 12

RESULT 45
US-08-887-505-146
Sequence 146, Application US/08887505
Publication No. US20020081577A1
GENERAL INFORMATION:
APPLICANT: Kilkuskie, Robert E.
APPLICANT: Frank, Bruce L.
APPLICANT: Goodchild, John
APPLICANT: Wolfe, Jia L.
APPLICANT: Roberts, Peter C.
APPLICANT: Hamlin, Jr., Henry A.
APPLICANT: Roberts, No. US20020081577A1 A.
APPLICANT: Walther, Debra M.
TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
TITLE OF INVENTION: HEPATITIS C VIRUS
NUMBER OF SEQUENCES: 172
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hale and Dorr LLP
STREET: 60 State Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30

```
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 146:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA/RNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
US-08-887-505-146

Query Match 66.7%; Score 12; DB 8; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 1 GGGGUCCUGGAG 12

RESULT 46
US-08-887-505-147
; Sequence 147, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; APPLICANT: Walther, Debra M.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; TITLE OF INVENTION: HEPATITIS C VIRUS
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
```

```
;
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 147:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA/RNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
US-08-887-505-147

Query Match 66.7%; Score 12; DB 8; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 1 GGGGUCCUGGAG 12

RESULT 47
US-09-782-361-14
; Sequence 14, Application US/09782361
; Patent No. US20020064778A1
; GENERAL INFORMATION:
; APPLICANT: Hu, Yu-Wen
; TITLE OF INVENTION: PRIMER-SPECIFIC AND MISPAIR EXTENSION ASSAY FOR IDENTIFYING GEN
; TITLE OF INVENTION: VARIATION
; FILE REFERENCE: 2883-475705
; CURRENT APPLICATION NUMBER: US/09/782.361
; CURRENT FILING DATE: 2001-02-13
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 14
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: primer for PSMEA
US-09-782-361-14

Query Match 66.7%; Score 12; DB 9; Length 19;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 2 GGGGTCCTGGAG 13

RESULT 48
US-10-461-790-121/c
; Sequence 121, Application US/10461790
; Publication No. US20040029111A1
; GENERAL INFORMATION:
; APPLICANT: Linnen, Jeffery M.
; APPLICANT: Kolk, Daniel P.
; APPLICANT: Dockter, Janel M.
; APPLICANT: Getman, Damon K.
; APPLICANT: Yoshimura, Tadashi
; APPLICANT: Ho-Sing-Loy, Marcy
; APPLICANT: Stringfellow, Leslie A.
; TITLE OF INVENTION: Compositions and Methods for Detecting
; TITLE OF INVENTION: Hepatitis B Virus
; FILE REFERENCE: GPI34-02.0T
; CURRENT APPLICATION NUMBER: US/10/461,790
; CURRENT FILING DATE: 2003-06-13
; PRIOR APPLICATION NUMBER: 60/389,393
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 142
```

```
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 121
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Hepatitis C Virus
US-10-461-790-121
```

```
Query Match          66.7%; Score 12; DB 17; Length 19;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 GGGGUCCUGGAG 12
    ||||:||||
Db 15 GGGGTCCTGGAG 4
```

```
RESULT 49
US-10-667-271-466/c
; Sequence 466, Application US/10667271
; Publication No. US20040209831A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics
; APPLICANT: McSwiggen, James
; APPLICANT: Macejak, Dennis
; APPLICANT: Beigelman, Leonid
; APPLICANT: Morrissey, David
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)
; FILE REFERENCE: 400/129 (MBH02-763B)
; CURRENT APPLICATION NUMBER: US/10/667,271
; CURRENT FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; PRIOR APPLICATION NUMBER: PCT / US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT / US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: USSN 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: USSN 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: USSN 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: USSN 60/386,782
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: USSN 60/406,784
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: USSN 60/408,378
; PRIOR FILING DATE: 2002-09-05
; PRIOR APPLICATION NUMBER: USSN 60/409,293
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1705
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 466
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense re
US-10-667-271-466
```

```
Query Match          66.7%; Score 12; DB 20; Length 19;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 GGGGUCCUGGAG 12
    ||||:||||
Db 13 GGGGTCCTGGAG 2
```

```
RESULT 50
US-10-667-271-467/c
```

```
; Sequence 467, Application US/10667271
; Publication No. US20040209831A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics
; APPLICANT: McSwiggen, James
; APPLICANT: Macejak, Dennis
; APPLICANT: Beigelman, Leonid
; APPLICANT: Morrissey, David
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)
; FILE REFERENCE: 400/129 (MBH02-763B)
; CURRENT APPLICATION NUMBER: US/10/667,271
; CURRENT FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; PRIOR APPLICATION NUMBER: PCT / US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT / US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: USSN 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: USSN 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: USSN 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: USSN 60/386,782
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: USSN 60/406,784
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: USSN 60/408,378
; PRIOR FILING DATE: 2002-09-05
; PRIOR APPLICATION NUMBER: USSN 60/409,293
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1705
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 467
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense r
US-10-667-271-467

Query Match          66.7%; Score 12; DB 20; Length 19;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
    ||||:||||
Db 12 GGGGTCCTGGAG 1

RESULT 51
US-10-667-271-498/c
; Sequence 498, Application US/10667271
; Publication No. US20040209831A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics
; APPLICANT: McSwiggen, James
; APPLICANT: Macejak, Dennis
; APPLICANT: Beigelman, Leonid
; APPLICANT: Morrissey, David
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)
; FILE REFERENCE: 400/129 (MBH02-763B)
; CURRENT APPLICATION NUMBER: US/10/667,271
; CURRENT FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; PRIOR APPLICATION NUMBER: PCT / US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT / US02/09187
```

```
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: USSN 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: USSN 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: USSN 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: USSN 60/386,782
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: USSN 60/406,784
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: USSN 60/408,378
; PRIOR FILING DATE: 2002-09-05
; PRIOR APPLICATION NUMBER: USSN 60/409,293
; PRIOR FILING DATE: 2002-09-09
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1705
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 498
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense re
US-10-667-271-498

Query Match 66.7%; Score 12; DB 20; Length 19;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 16 GGGGTCTCTGGAG 5

RESULT 52
US-10-667-271-500/c
; Sequence 500, Application US/10667271
; Publication No. US20040209831A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics
; APPLICANT: McSwiggen, James
; APPLICANT: Macejak, Dennis
; APPLICANT: Beigelman, Leonid
; APPLICANT: Morrissey, David
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)
; FILE REFERENCE: 400/129 (WBH02-763B)
; CURRENT APPLICATION NUMBER: US/10/667,271
; CURRENT FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; PRIOR APPLICATION NUMBER: PCT / US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT / US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: USSN 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: USSN 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: USSN 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: USSN 60/386,782
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: USSN 60/406,784
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: USSN 60/408,378
; PRIOR FILING DATE: 2002-09-05
; PRIOR APPLICATION NUMBER: USSN 60/409,293
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1705
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 500
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense re
US-10-667-271-500

Query Match 66.7%; Score 12; DB 20; Length 19;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 16 GGGGTCTCTGGAG 5

RESULT 53
US-10-667-271-502/c
; Sequence 502, Application US/10667271
; Publication No. US20040209831A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics
; APPLICANT: McSwiggen, James
; APPLICANT: Macejak, Dennis
; APPLICANT: Beigelman, Leonid
; APPLICANT: Morrissey, David
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)
; FILE REFERENCE: 400/129 (WBH02-763B)
; CURRENT APPLICATION NUMBER: US/10/667,271
; CURRENT FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; PRIOR APPLICATION NUMBER: PCT / US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT / US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: USSN 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: USSN 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: USSN 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: USSN 60/386,782
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: USSN 60/406,784
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: USSN 60/408,378
; PRIOR FILING DATE: 2002-09-05
; PRIOR APPLICATION NUMBER: USSN 60/409,293
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1705
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 502
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense re
US-10-667-271-502

Query Match 66.7%; Score 12; DB 20; Length 19;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 15 GGGGTCTCTGGAG 4

RESULT 54
```

```
US-10-667-271-538/c
; Sequence 538, Application US/10667271
; Publication No. US20040209831A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics
; APPLICANT: McSwiggen, James
; APPLICANT: Macejak, Dennis
; APPLICANT: Beigelman, Leonid
; APPLICANT: Morrissey, David
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)
; TITLE OF INVENTION: Gene Expression Using Short Interfering Nucleic Acid (siNA)
; FILE REFERENCE: 400/129 (MBHB02-763B)
; CURRENT FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; PRIOR APPLICATION NUMBER: PCT / US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT / US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: USSN 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: USSN 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: USSN 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: USSN 60/386,782
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: USSN 60/406,784
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: USSN 60/408,378
; PRIOR FILING DATE: 2002-09-05
; PRIOR APPLICATION NUMBER: USSN 60/409,293
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1705
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 538
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense re
US-10-667-271-538

Query Match      66.7%; Score 12; DB 20; Length 19;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
        |||||:||||
Db       18 GGGGTCCTGGAG 7
        |||||:||||

RESULT 55
US-10-667-271-544/c
; Sequence 544, Application US/10667271
; Publication No. US20040209831A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics
; APPLICANT: McSwiggen, James
; APPLICANT: Macejak, Dennis
; APPLICANT: Beigelman, Leonid
; APPLICANT: Morrissey, David
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)
; TITLE OF INVENTION: Gene Expression Using Short Interfering Nucleic Acid (siNA)
; FILE REFERENCE: 400/129 (MBHB02-763B)
; CURRENT FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; PRIOR APPLICATION NUMBER: PCT / US03/05043
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1705
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 538
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense re
US-10-667-271-538

Query Match      66.7%; Score 12; DB 20; Length 19;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
        |||||:||||
Db       18 GGGGTCCTGGAG 7
        |||||:||||

RESULT 55
US-10-667-271-544/c
; Sequence 544, Application US/10667271
; Publication No. US20040209831A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics
; APPLICANT: McSwiggen, James
; APPLICANT: Macejak, Dennis
; APPLICANT: Beigelman, Leonid
; APPLICANT: Morrissey, David
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)
; TITLE OF INVENTION: Gene Expression Using Short Interfering Nucleic Acid (siNA)
; FILE REFERENCE: 400/129 (MBHB02-763B)
; CURRENT FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; PRIOR APPLICATION NUMBER: PCT / US03/05043
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1705
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 538
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense re
US-10-667-271-544/c
; Sequence 545, Application US/10667271
; Publication No. US20040209831A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics
; APPLICANT: McSwiggen, James
; APPLICANT: Macejak, Dennis
; APPLICANT: Beigelman, Leonid
; APPLICANT: Morrissey, David
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)
; TITLE OF INVENTION: Gene Expression Using Short Interfering Nucleic Acid (siNA)
; FILE REFERENCE: 400/129 (MBHB02-763B)
; CURRENT FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; PRIOR APPLICATION NUMBER: PCT / US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT / US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: USSN 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: USSN 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: USSN 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: USSN 60/386,782
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: USSN 60/406,784
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: USSN 60/408,378
; PRIOR FILING DATE: 2002-09-05
; PRIOR APPLICATION NUMBER: USSN 60/409,293
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1705
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 544
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense r
US-10-667-271-544
```

```
US-10-667-271-544
; Sequence 538, Application US/10667271
; Publication No. US20040209831A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics
; APPLICANT: McSwiggen, James
; APPLICANT: Macejak, Dennis
; APPLICANT: Beigelman, Leonid
; APPLICANT: Morrissey, David
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)
; TITLE OF INVENTION: Gene Expression Using Short Interfering Nucleic Acid (siNA)
; FILE REFERENCE: 400/129 (MBHB02-763B)
; CURRENT FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; PRIOR APPLICATION NUMBER: PCT / US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT / US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: USSN 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: USSN 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: USSN 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: USSN 60/386,782
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: USSN 60/406,784
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: USSN 60/408,378
; PRIOR FILING DATE: 2002-09-05
; PRIOR APPLICATION NUMBER: USSN 60/409,293
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1705
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 544
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense r
US-10-667-271-544

Query Match      66.7%; Score 12; DB 20; Length 19;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
        |||||:||||
Db       19 GGGGTCCTGGAG 8
        |||||:||||

RESULT 56
US-10-667-271-545/c
; Sequence 545, Application US/10667271
; Publication No. US20040209831A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics
; APPLICANT: McSwiggen, James
; APPLICANT: Macejak, Dennis
; APPLICANT: Beigelman, Leonid
; APPLICANT: Morrissey, David
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)
; TITLE OF INVENTION: Gene Expression Using Short Interfering Nucleic Acid (siNA)
; FILE REFERENCE: 400/129 (MBHB02-763B)
; CURRENT FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; PRIOR APPLICATION NUMBER: PCT / US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT / US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: USSN 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: USSN 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: USSN 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: USSN 60/386,782
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: USSN 60/406,784
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: USSN 60/408,378
; PRIOR FILING DATE: 2002-09-05
; PRIOR APPLICATION NUMBER: USSN 60/409,293
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1705
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 545
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense r
US-10-667-271-545
```

; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 545
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense region
US-10-667-271-545

Query Match 66.7%; Score 12; DB 20; Length 19;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
|||:||||
Db 17 GGGGCTCTGGAG 6

RESULT 57

US-10-667-271-1162
; Sequence 1162, Application US/10667271
; Publication No. US20040209831A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics
; APPLICANT: McSwiggen, James
; APPLICANT: Macejak, Dennis
; APPLICANT: Beigelman, Leonid
; APPLICANT: Morrissey, David
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)
; TITLE OF INVENTION: Gene Expression Using Short Interfering Nucleic Acid (siNA)
; FILE REFERENCE: 400/129 (MEH02-763B)
; CURRENT APPLICATION NUMBER: US/10/667,271
; CURRENT FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; PRIOR APPLICATION NUMBER: PCT / US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT / US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: USSN 60/401,104
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: USSN 60/386,782
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: USSN 60/406,784
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: USSN 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: USSN 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: USSN 60/386,782
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: USSN 60/406,784
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: USSN 60/408,378
; PRIOR FILING DATE: 2002-09-05
; PRIOR APPLICATION NUMBER: USSN 60/409,293
; Remaining Prior Application data removed - See File Wrapper or PALM.

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 1162

; LENGTH: 19

; TYPE: RNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region

US-10-667-271-1162

Query Match 66.7%; Score 12; DB 20; Length 19;

Best Local Similarity 100.0%; Pred. No. 1.5e+03;

Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12

|||||

Db 7 GGGGUCCUGGAG 18

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

RESULT 58

US-10-667-271-1163
; Sequence 1163, Application US/10667271
; Publication No. US20040209831A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics
; APPLICANT: McSwiggen, James
; APPLICANT: Macejak, Dennis
; APPLICANT: Beigelman, Leonid
; APPLICANT: Morrissey, David
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)
; TITLE OF INVENTION: Gene Expression Using Short Interfering Nucleic Acid (siNA)
; FILE REFERENCE: 400/129 (MEH02-763B)
; CURRENT APPLICATION NUMBER: US/10/667,271
; CURRENT FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; PRIOR APPLICATION NUMBER: PCT / US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT / US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: USSN 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: USSN 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: USSN 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: USSN 60/386,782
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: USSN 60/406,784
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: USSN 60/408,378
; PRIOR FILING DATE: 2002-09-05
; PRIOR APPLICATION NUMBER: USSN 60/409,293
; Remaining Prior Application data removed - See File Wrapper or PALM.

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 1163

; LENGTH: 19

; TYPE: RNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region

US-10-667-271-1163

Query Match 66.7%; Score 12; DB 20; Length 19;

Best Local Similarity 100.0%; Pred. No. 1.5e+03;

Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12

|||||

Db 8 GGGGUCCUGGAG 19

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

RESULT 59

US-10-667-271-1194
; Sequence 1194, Application US/10667271
; Publication No. US20040209831A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics
; APPLICANT: McSwiggen, James
; APPLICANT: Macejak, Dennis
; APPLICANT: Beigelman, Leonid
; APPLICANT: Morrissey, David
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)
; TITLE OF INVENTION: Gene Expression Using Short Interfering Nucleic Acid (siNA)
; FILE REFERENCE: 400/129 (MEH02-763B)
; CURRENT APPLICATION NUMBER: US/10/667,271
; CURRENT FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; PRIOR APPLICATION NUMBER: PCT / US03/05043

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 1194

; LENGTH: 19

; TYPE: RNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region

US-10-667-271-1194

Query Match 66.7%; Score 12; DB 20; Length 19;

Best Local Similarity 100.0%; Pred. No. 1.5e+03;

Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12

|||||

Db 8 GGGGUCCUGGAG 19

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

|||||

```
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT / US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: USSN 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: USSN 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: USSN 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: USSN 60/386,782
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: USSN 60/406,784
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: USSN 60/408,378
; PRIOR FILING DATE: 2002-09-05
; PRIOR APPLICATION NUMBER: USSN 60/409,293
; PRIOR FILING DATE: 2002-09-09
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1705
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1194
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-667-271-1194
```

```
Query Match 66.7%; Score 12; DB 20; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 GGGGUCCUGGAG 12
    |||||
Db 4 GGGGUCCUGGAG 15
```

```
RESULT 60
US-10-667-271-1196
; Sequence 1196, Application US/10667271
; Publication NO. US20040209831A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics
; APPLICANT: McSwiggen, James
; APPLICANT: Macejak, Dennis
; APPLICANT: Beigelman, Leonid
; APPLICANT: Morrissey, David
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)
; FILE REFERENCE: 400/129 (MEHB02-763B)
; CURRENT APPLICATION NUMBER: US/10/667,271
; CURRENT FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; PRIOR APPLICATION NUMBER: PCT / US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT / US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: USSN 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: USSN 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: USSN 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: USSN 60/386,782
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: USSN 60/406,784
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: USSN 60/408,378
; PRIOR FILING DATE: 2002-09-05
; PRIOR APPLICATION NUMBER: USSN 60/409,293
; PRIOR FILING DATE: 2002-09-09
; Remaining Prior Application data removed - See File Wrapper or PALM.
```

```
; NUMBER OF SEQ ID NOS: 1705
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1196
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-667-271-1196
```

```
Query Match 66.7%; Score 12; DB 20; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 GGGGUCCUGGAG 12
    |||||
Db 6 GGGGUCCUGGAG 17
```

```
RESULT 61
US-10-667-271-1198
; Sequence 1198, Application US/10667271
; Publication NO. US20040209831A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics
; APPLICANT: McSwiggen, James
; APPLICANT: Macejak, Dennis
; APPLICANT: Beigelman, Leonid
; APPLICANT: Morrissey, David
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)
; FILE REFERENCE: 400/129 (MEHB02-763B)
; CURRENT APPLICATION NUMBER: US/10/667,271
; CURRENT FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; PRIOR APPLICATION NUMBER: PCT / US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT / US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: USSN 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: USSN 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: USSN 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: USSN 60/386,782
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: USSN 60/406,784
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: USSN 60/408,378
; PRIOR FILING DATE: 2002-09-05
; PRIOR APPLICATION NUMBER: USSN 60/409,293
; PRIOR FILING DATE: 2002-09-09
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1705
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1198
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-667-271-1198
```

```
Query Match 66.7%; Score 12; DB 20; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 GGGGUCCUGGAG 12
    |||||
Db 5 GGGGUCCUGGAG 16
```

```
RESULT 62
US-10-667-271-1234
; Sequence 1234, Application US/10667271
; Publication No. US20040209831A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics
; APPLICANT: McSwiggen, James
; APPLICANT: Macejak, Dennis
; APPLICANT: Beigelman, Leonid
; APPLICANT: Morrissey, David
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)
; TITLE OF INVENTION: Gene Expression Using Short Interfering Nucleic Acid (siNA)
; FILE REFERENCE: 400/129 (MBH02-763B)
; CURRENT APPLICATION NUMBER: US/10/667,271
; CURRENT FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; PRIOR APPLICATION NUMBER: PCT / US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT / US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: USSN 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: USSN 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: USSN 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: USSN 60/386,782
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: USSN 60/406,784
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: USSN 60/408,378
; PRIOR FILING DATE: 2002-09-05
; PRIOR APPLICATION NUMBER: USSN 60/409,293
; PRIOR FILING DATE: 2002-09-09
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1705
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1234
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-667-271-1234

Query Match          66.7%; Score 12; DB 20; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
   |||||
Db 2 GGGGUCCUGGAG 13

RESULT 63
US-10-667-271-1240
; Sequence 1240, Application US/10667271
; Publication No. US20040209831A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics
; APPLICANT: McSwiggen, James
; APPLICANT: Macejak, Dennis
; APPLICANT: Beigelman, Leonid
; APPLICANT: Morrissey, David
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)
; TITLE OF INVENTION: Gene Expression Using Short Interfering Nucleic Acid (siNA)
; FILE REFERENCE: 400/129 (MBH02-763B)
; CURRENT APPLICATION NUMBER: US/10/667,271
; CURRENT FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; PRIOR APPLICATION NUMBER: PCT / US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT / US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: USSN 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: USSN 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: USSN 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: USSN 60/386,782
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: USSN 60/406,784
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: USSN 60/408,378
; PRIOR FILING DATE: 2002-09-05
; PRIOR APPLICATION NUMBER: USSN 60/409,293
; PRIOR FILING DATE: 2002-09-09
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1705
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1234
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-667-271-1234

Query Match          66.7%; Score 12; DB 20; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
   |||||
Db 2 GGGGUCCUGGAG 13

RESULT 64
US-10-667-271-1241
; Sequence 1241, Application US/10667271
; Publication No. US20040209831A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics
; APPLICANT: McSwiggen, James
; APPLICANT: Macejak, Dennis
; APPLICANT: Beigelman, Leonid
; APPLICANT: Morrissey, David
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)
; TITLE OF INVENTION: Gene Expression Using Short Interfering Nucleic Acid (siNA)
; FILE REFERENCE: 400/129 (MBH02-763B)
; CURRENT APPLICATION NUMBER: US/10/667,271
; CURRENT FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; PRIOR APPLICATION NUMBER: PCT / US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT / US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: USSN 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: USSN 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: USSN 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: USSN 60/386,782
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: USSN 60/406,784
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: USSN 60/408,378
; PRIOR FILING DATE: 2002-09-05
; PRIOR APPLICATION NUMBER: USSN 60/409,293
; PRIOR FILING DATE: 2002-09-09
```


Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 1705
SOFTWARE: PatentIn version 3.2
SEQ ID NO 1241

LENGTH: 19

TYPE: RNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region

US-10-667-271-1241

Query Match 66.7%; Score 12; DB 20; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12

|||||

Db 3 GGGGUCCUGGAG 14

RESULT 65

US-10-942-560-466/c

Sequence 466, Application US/10942560

Publication No. US20050209180A1

GENERAL INFORMATION:

APPLICANT: Jadhav, Vasant

APPLICANT: Kossen, Karl

APPLICANT: Zinnen, Shawn

APPLICANT: McSwiggen, James

APPLICANT: Sirna Therapeutics, Inc.

TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Hepatitis C Virus (HCV)

TITLE OF INVENTION: Expression Using Short Interfering Nucleic Acid (siNA)

FILE REFERENCE: 02-763-I (400/234)

CURRENT APPLICATION NUMBER: US/10/942,560

CURRENT FILING DATE: 2004-09-15

PRIOR APPLICATION NUMBER: US 10/667,271

PRIOR FILING DATE: 2003-09-16

PRIOR APPLICATION NUMBER: PCT/US03/05043

PRIOR FILING DATE: 2003-02-20

PRIOR APPLICATION NUMBER: PCT/US02/09187

PRIOR FILING DATE: 2002-03-26

PRIOR APPLICATION NUMBER: 60/401,104

PRIOR FILING DATE: 2002-08-05

PRIOR APPLICATION NUMBER: PCT/US 04/16390

PRIOR FILING DATE: 2004-05-24

PRIOR APPLICATION NUMBER: US 10/826,966

PRIOR FILING DATE: 2004-04-16

PRIOR APPLICATION NUMBER: US 10/757,803

PRIOR FILING DATE: 2004-01-14

PRIOR APPLICATION NUMBER: US 10/720,448

PRIOR FILING DATE: 2003-11-24

PRIOR APPLICATION NUMBER: US 10/693,059

PRIOR FILING DATE: 2003-10-23

PRIOR APPLICATION NUMBER: US 10/444,853

PRIOR FILING DATE: 2003-05-23

Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 2031

SOFTWARE: PatentIn version 3.3

SEQ ID NO 466

LENGTH: 19

TYPE: RNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: siNA target

US-10-942-560-466

Query Match 66.7%; Score 12; DB 22; Length 19;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12

|||||

Db 13 GGGGTCTCGGAG 2

RESULT 66

US-10-942-560-467/c

Sequence 467, Application US/10942560

Publication No. US20050209180A1

GENERAL INFORMATION:

APPLICANT: Jadhav, Vasant

APPLICANT: Kossen, Karl

APPLICANT: Zinnen, Shawn

APPLICANT: McSwiggen, James

APPLICANT: Sirna Therapeutics, Inc.

TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Hepatitis C Virus (HCV)

TITLE OF INVENTION: Expression Using Short Interfering Nucleic Acid (siNA)

FILE REFERENCE: 02-763-I (400/234)

CURRENT APPLICATION NUMBER: US/10/942,560

CURRENT FILING DATE: 2004-09-15

PRIOR APPLICATION NUMBER: US 10/667,271

PRIOR FILING DATE: 2003-09-16

PRIOR APPLICATION NUMBER: PCT/US03/05043

PRIOR FILING DATE: 2003-02-20

PRIOR APPLICATION NUMBER: PCT/US02/09187

PRIOR FILING DATE: 2002-03-26

PRIOR APPLICATION NUMBER: 60/401,104

PRIOR APPLICATION NUMBER: PCT/US 04/16390

PRIOR FILING DATE: 2004-05-24

PRIOR APPLICATION NUMBER: US 10/826,966

PRIOR FILING DATE: 2004-04-16

PRIOR APPLICATION NUMBER: US 10/757,803

PRIOR FILING DATE: 2004-01-14

PRIOR APPLICATION NUMBER: US 10/720,448

PRIOR FILING DATE: 2003-11-24

PRIOR APPLICATION NUMBER: US 10/693,059

PRIOR FILING DATE: 2003-10-23

PRIOR APPLICATION NUMBER: US 10/444,853

PRIOR FILING DATE: 2003-05-23

Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 2031

SOFTWARE: PatentIn version 3.3

SEQ ID NO 467

LENGTH: 19

TYPE: RNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: siNA target

US-10-942-560-467

Query Match 66.7%; Score 12; DB 22; Length 19;

Best Local Similarity 83.3%; Pred. No. 1.5e+03;

Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12

|||||

Db 12 GGGGTCTCGGAG 1

RESULT 67

US-10-942-560-498/c

Sequence 498, Application US/10942560

Publication No. US20050209180A1

GENERAL INFORMATION:

APPLICANT: Jadhav, Vasant

APPLICANT: Kossen, Karl

APPLICANT: Zinnen, Shawn

APPLICANT: McSwiggen, James

APPLICANT: Sirna Therapeutics, Inc.

TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Hepatitis C Virus (HCV)

TITLE OF INVENTION: Expression Using Short Interfering Nucleic Acid (siNA)

FILE REFERENCE: 02-763-I (400/234)

```
; CURRENT APPLICATION NUMBER: US/10/942,560
; CURRENT FILING DATE: 2004-09-15
; PRIOR APPLICATION NUMBER: US 10/667,271
; PRIOR FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: PCT/US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: PCT/US 04/16390
; PRIOR FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: US 10/826,966
; PRIOR FILING DATE: 2004-04-16
; PRIOR APPLICATION NUMBER: US 10/757,803
; PRIOR FILING DATE: 2004-01-14
; PRIOR APPLICATION NUMBER: US 10/720,448
; PRIOR FILING DATE: 2003-11-24
; PRIOR APPLICATION NUMBER: US 10/693,059
; PRIOR FILING DATE: 2003-10-23
; PRIOR APPLICATION NUMBER: US 10/444,853
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2031
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 498
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA target
US-10-942-560-498

Query Match          66.7%; Score 12; DB 22; Length 19;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
   |||||:||||
Db 16 GGGGTCTGGAG 5

RESULT 68
US-10-942-560-500/c
; Sequence 500, Application US/10942560
; Publication No. US20050209180A1
; GENERAL INFORMATION:
; APPLICANT: Jadhav, Vasant
; APPLICANT: Kossen, Karl
; APPLICANT: Zinnen, Shawn
; APPLICANT: Vaish, Narendra
; APPLICANT: McSwigen, James
; APPLICANT: Sirna Therapeutics, Inc.
; TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Hepatitis C Virus (HCV)
; FILE REFERENCE: 02-763-1 (400/234)
; CURRENT APPLICATION NUMBER: US/10/942,560
; CURRENT FILING DATE: 2004-09-15
; PRIOR APPLICATION NUMBER: US 10/667,271
; PRIOR FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: PCT/US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: PCT/US 04/16390
; PRIOR FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: US 10/826,966
; PRIOR FILING DATE: 2004-04-16
; PRIOR APPLICATION NUMBER: US 10/757,803
; PRIOR FILING DATE: 2004-01-14
; PRIOR APPLICATION NUMBER: US 10/720,448
; PRIOR FILING DATE: 2003-11-24
; PRIOR APPLICATION NUMBER: US 10/693,059
; PRIOR FILING DATE: 2003-10-23
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2031
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 502
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA target
US-10-942-560-502
```

Query Match

66.7%;

Score 12;

DB 22;

Length 19;

```
; CURRENT APPLICATION NUMBER: US/10/942,560
; CURRENT FILING DATE: 2004-09-15
; PRIOR APPLICATION NUMBER: US 10/667,271
; PRIOR FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: PCT/US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: PCT/US 04/16390
; PRIOR FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: US 10/826,966
; PRIOR FILING DATE: 2004-04-16
; PRIOR APPLICATION NUMBER: US 10/757,803
; PRIOR FILING DATE: 2004-01-14
; PRIOR APPLICATION NUMBER: US 10/720,448
; PRIOR FILING DATE: 2003-11-24
; PRIOR APPLICATION NUMBER: US 10/693,059
; PRIOR FILING DATE: 2003-10-23
; PRIOR APPLICATION NUMBER: US 10/444,853
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2031
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 498
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA target
US-10-942-560-498

Query Match          66.7%; Score 12; DB 22; Length 19;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
   |||||:||||
Db 16 GGGGTCTGGAG 5

RESULT 68
US-10-942-560-500/c
; Sequence 500, Application US/10942560
; Publication No. US20050209180A1
; GENERAL INFORMATION:
; APPLICANT: Jadhav, Vasant
; APPLICANT: Kossen, Karl
; APPLICANT: Zinnen, Shawn
; APPLICANT: Vaish, Narendra
; APPLICANT: McSwigen, James
; APPLICANT: Sirna Therapeutics, Inc.
; TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Hepatitis C Virus (HCV)
; FILE REFERENCE: 02-763-1 (400/234)
; CURRENT APPLICATION NUMBER: US/10/942,560
; CURRENT FILING DATE: 2004-09-15
; PRIOR APPLICATION NUMBER: US 10/667,271
; PRIOR FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: PCT/US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: PCT/US 04/16390
; PRIOR FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: US 10/826,966
; PRIOR FILING DATE: 2004-04-16
; PRIOR APPLICATION NUMBER: US 10/757,803
; PRIOR FILING DATE: 2004-01-14
; PRIOR APPLICATION NUMBER: US 10/720,448
```

```
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
    ||||:||||
Db 15 GGGGTCCTGGAG 4

RESULT 70
US-10-942-560-538/c
; Sequence 538, Application US/10942560
; Publication No. US20050209180A1
; GENERAL INFORMATION:
; APPLICANT: Jadhav, Vasant
; APPLICANT: Kossen, Karl
; APPLICANT: Zinnen, Shawn
; APPLICANT: Vaish, Narendra
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Hepatitis C Virus (HCV)
; FILE REFERENCE: 02-763-I (400/234)
; CURRENT APPLICATION NUMBER: US/10/942,560
; CURRENT FILING DATE: 2004-09-15
; PRIOR APPLICATION NUMBER: US 10/667,271
; PRIOR FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: PCT/US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: PCT/US 04/16390
; PRIOR FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: US 10/826,966
; PRIOR FILING DATE: 2004-04-16
; PRIOR APPLICATION NUMBER: US 10/757,803
; PRIOR FILING DATE: 2004-01-14
; PRIOR APPLICATION NUMBER: US 10/720,448
; PRIOR FILING DATE: 2003-11-24
; PRIOR APPLICATION NUMBER: US 10/693,059
; PRIOR FILING DATE: 2003-10-23
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2031
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 538
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA target
US-10-942-560-538

Query Match 66.7%; Score 12; DB 22; Length 19;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
    ||||:||||
Db 18 GGGGTCCTGGAG 7

RESULT 71
US-10-942-560-544/c
; Sequence 544, Application US/10942560
; Publication No. US20050209180A1
; GENERAL INFORMATION:
; APPLICANT: Jadhav, Vasant
; APPLICANT: Kossen, Karl
; APPLICANT: Zinnen, Shawn
; APPLICANT: Vaish, Narendra
```

```
; APPLICANT: McSwiggen, James
; APPLICANT: Sirna Therapeutics, Inc.
; TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Hepatitis C Virus (HCV)
; FILE REFERENCE: 02-763-I (400/234)
; CURRENT APPLICATION NUMBER: US/10/942,560
; CURRENT FILING DATE: 2004-09-15
; PRIOR APPLICATION NUMBER: US 10/667,271
; PRIOR FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: PCT/US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: PCT/US 04/16390
; PRIOR FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: US 10/826,966
; PRIOR FILING DATE: 2004-04-16
; PRIOR APPLICATION NUMBER: US 10/757,803
; PRIOR FILING DATE: 2004-01-14
; PRIOR APPLICATION NUMBER: US 10/720,448
; PRIOR FILING DATE: 2003-11-24
; PRIOR APPLICATION NUMBER: US 10/693,059
; PRIOR FILING DATE: 2003-10-23
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2031
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 544
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA target
US-10-942-560-544

Query Match 66.7%; Score 12; DB 22; Length 19;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
    ||||:||||
Db 19 GGGGTCCTGGAG 8

RESULT 72
US-10-942-560-545/c
; Sequence 545, Application US/10942560
; Publication No. US20050209180A1
; GENERAL INFORMATION:
; APPLICANT: Jadhav, Vasant
; APPLICANT: Kossen, Karl
; APPLICANT: Zinnen, Shawn
; APPLICANT: Vaish, Narendra
; APPLICANT: McSwiggen, James
; APPLICANT: Sirna Therapeutics, Inc.
; TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Hepatitis C Virus (HCV)
; FILE REFERENCE: 02-763-I (400/234)
; CURRENT APPLICATION NUMBER: US/10/942,560
; CURRENT FILING DATE: 2004-09-15
; PRIOR APPLICATION NUMBER: US 10/667,271
; PRIOR FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: PCT/US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: PCT/US 04/16390
; PRIOR FILING DATE: 2004-05-24
```

```
; PRIOR APPLICATION NUMBER: US 10/826,966
; PRIOR FILING DATE: 2004-04-16
; PRIOR APPLICATION NUMBER: US 10/757,803
; PRIOR FILING DATE: 2004-01-14
; PRIOR APPLICATION NUMBER: US 10/720,448
; PRIOR FILING DATE: 2003-11-24
; PRIOR APPLICATION NUMBER: US 10/693,059
; PRIOR FILING DATE: 2003-10-23
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2031
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 545
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA target
US-10-942-560-545

Query Match          66.7%; Score 12; DB 22; Length 19;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GGGGUCCUGGAG 12
        |||||:|||||
Db      17 GGGGTCCTGGAG 6

RESULT 73
US-10-942-560-1162
; Sequence 1162, Application US/10942560
; Publication No. US20050209180A1
; GENERAL INFORMATION:
; APPLICANT: Jadhav, Vasant
; APPLICANT: Kossen, Karl
; APPLICANT: Zinnen, Shawn
; APPLICANT: Vaish, Narendra
; APPLICANT: McSwiggen, James
; APPLICANT: Sirna Therapeutics, Inc.
; TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Hepatitis C Virus (HCV)
; FILE REFERENCE: 02-763-I (400/234)
; CURRENT APPLICATION NUMBER: US/10/942,560
; CURRENT FILING DATE: 2004-09-15
; PRIOR FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: PCT/US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: PCT/US 04/16390
; PRIOR FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: US 10/826,966
; PRIOR FILING DATE: 2004-04-16
; PRIOR APPLICATION NUMBER: US 10/757,803
; PRIOR FILING DATE: 2004-01-14
; PRIOR APPLICATION NUMBER: US 10/720,448
; PRIOR FILING DATE: 2003-11-24
; PRIOR APPLICATION NUMBER: US 10/693,059
; PRIOR FILING DATE: 2003-10-23
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2031
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1162
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA
```

```
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense
US-10-942-560-1163

Query Match          66.7%; Score 12; DB 22; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GGGGUCCUGGAG 12
        |||||:|||||
Db      7 GGGGUCCUGGAG 18

RESULT 74
US-10-942-560-1163
; Sequence 1163, Application US/10942560
; Publication No. US20050209180A1
; GENERAL INFORMATION:
; APPLICANT: Jadhav, Vasant
; APPLICANT: Kossen, Karl
; APPLICANT: Zinnen, Shawn
; APPLICANT: Vaish, Narendra
; APPLICANT: McSwiggen, James
; APPLICANT: Sirna Therapeutics, Inc.
; TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Hepatitis C Virus (HCV)
; FILE REFERENCE: 02-763-I (400/234)
; CURRENT APPLICATION NUMBER: US/10/942,560
; CURRENT FILING DATE: 2004-09-15
; PRIOR FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: PCT/US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: PCT/US 04/16390
; PRIOR FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: US 10/826,966
; PRIOR FILING DATE: 2004-04-16
; PRIOR APPLICATION NUMBER: US 10/757,803
; PRIOR FILING DATE: 2004-01-14
; PRIOR APPLICATION NUMBER: US 10/720,448
; PRIOR FILING DATE: 2003-11-24
; PRIOR APPLICATION NUMBER: US 10/693,059
; PRIOR FILING DATE: 2003-10-23
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2031
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1163
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense
US-10-942-560-1163

Query Match          66.7%; Score 12; DB 22; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GGGGUCCUGGAG 12
        |||||:|||||
Db      8 GGGGUCCUGGAG 19

RESULT 75
US-10-942-560-1194
; Sequence 1194, Application US/10942560
; Publication No. US20050209180A1
```

```
/ GENERAL INFORMATION:
/ APPLICANT: Jadhav, Vasant
/ APPLICANT: Kossen, Karl
/ APPLICANT: Zinnen, Shawn
/ APPLICANT: Vaish, Narendra
/ APPLICANT: McSwiggen, James
/ APPLICANT: Sirna Therapeutics, Inc.
/ TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Hepatitis C Virus (HCV)
/ FILE REFERENCE: 02-763-I (400/234)
/ CURRENT APPLICATION NUMBER: US/10/942,560
/ CURRENT FILING DATE: 2004-09-15
/ PRIOR APPLICATION NUMBER: US 10/667,271
/ PRIOR FILING DATE: 2003-09-16
/ PRIOR APPLICATION NUMBER: PCT/US03/05043
/ PRIOR FILING DATE: 2003-02-20
/ PRIOR APPLICATION NUMBER: PCT/US02/09187
/ PRIOR FILING DATE: 2002-03-26
/ PRIOR APPLICATION NUMBER: 60/401,104
/ PRIOR FILING DATE: 2002-08-05
/ PRIOR APPLICATION NUMBER: PCT/US 04/16390
/ PRIOR FILING DATE: 2004-05-24
/ PRIOR APPLICATION NUMBER: US 10/826,966
/ PRIOR FILING DATE: 2003-11-24
/ PRIOR APPLICATION NUMBER: US 10/720,448
/ PRIOR FILING DATE: 2003-10-23
/ PRIOR APPLICATION NUMBER: US 10/444,853
/ PRIOR FILING DATE: 2003-05-23
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 2031
/ SOFTWARE: PatentIn version 3.3
/ SEQ ID NO 1194
/ LENGTH: 19
/ TYPE: RNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: siNA antisense
US-10-942-560-1194

Query Match 66.7%; Score 12; DB 22; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 4 GGGGUCCUGGAG 15
|||||
|

RESULT 76
US-10-942-560-1196
/ Sequence 1196, Application US/10942560
/ Publication No. US20050209180A1
/ GENERAL INFORMATION:
/ APPLICANT: Jadhav, Vasant
/ APPLICANT: Kossen, Karl
/ APPLICANT: Zinnen, Shawn
/ APPLICANT: Vaish, Narendra
/ APPLICANT: McSwiggen, James
/ APPLICANT: Sirna Therapeutics, Inc.
/ TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Hepatitis C Virus (HCV)
/ FILE REFERENCE: 02-763-I (400/234)
/ CURRENT APPLICATION NUMBER: US/10/942,560
/ CURRENT FILING DATE: 2004-09-15
/ PRIOR APPLICATION NUMBER: US 10/667,271
/ PRIOR FILING DATE: 2003-09-16
/ PRIOR APPLICATION NUMBER: PCT/US03/05043
/ PRIOR FILING DATE: 2003-02-20
/ PRIOR APPLICATION NUMBER: PCT/US02/09187
/ PRIOR FILING DATE: 2002-03-26
/ PRIOR APPLICATION NUMBER: 60/401,104
/ PRIOR FILING DATE: 2002-08-05
/ PRIOR APPLICATION NUMBER: PCT/US 04/16390
/ PRIOR FILING DATE: 2004-05-24
/ PRIOR APPLICATION NUMBER: US 10/826,966
/ PRIOR FILING DATE: 2004-04-16
/ PRIOR APPLICATION NUMBER: US 10/757,803
/ PRIOR FILING DATE: 2004-01-14
/ PRIOR APPLICATION NUMBER: US 10/720,448
/ PRIOR FILING DATE: 2003-11-24
/ PRIOR APPLICATION NUMBER: US 10/693,059
/ PRIOR FILING DATE: 2003-10-23
/ PRIOR APPLICATION NUMBER: US 10/444,853
/ PRIOR FILING DATE: 2003-05-23
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 2031
/ SOFTWARE: PatentIn version 3.3
/ SEQ ID NO 1194
/ LENGTH: 19
/ TYPE: RNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: siNA antisense
US-10-942-560-1194
```

```
/ GENERAL INFORMATION:
/ APPLICANT: Jadhav, Vasant
/ APPLICANT: Kossen, Karl
/ APPLICANT: Zinnen, Shawn
/ APPLICANT: Vaish, Narendra
/ APPLICANT: McSwiggen, James
/ APPLICANT: Sirna Therapeutics, Inc.
/ TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Hepatitis C Virus (HCV)
/ FILE REFERENCE: 02-763-I (400/234)
/ CURRENT APPLICATION NUMBER: US/10/942,560
/ CURRENT FILING DATE: 2004-09-15
/ PRIOR APPLICATION NUMBER: US 10/667,271
/ PRIOR FILING DATE: 2003-09-16
/ PRIOR APPLICATION NUMBER: PCT/US03/05043
/ PRIOR FILING DATE: 2003-02-20
/ PRIOR APPLICATION NUMBER: PCT/US02/09187
/ PRIOR FILING DATE: 2002-03-26
/ PRIOR APPLICATION NUMBER: 60/401,104
/ PRIOR FILING DATE: 2002-08-05
/ PRIOR APPLICATION NUMBER: PCT/US 04/16390
/ PRIOR FILING DATE: 2004-05-24
/ PRIOR APPLICATION NUMBER: US 10/826,966
/ PRIOR FILING DATE: 2004-04-16
/ PRIOR APPLICATION NUMBER: US 10/757,803
/ PRIOR FILING DATE: 2004-01-14
/ PRIOR APPLICATION NUMBER: US 10/720,448
/ PRIOR FILING DATE: 2003-11-24
/ PRIOR APPLICATION NUMBER: US 10/693,059
/ PRIOR FILING DATE: 2003-10-23
/ PRIOR APPLICATION NUMBER: US 10/444,853
/ PRIOR FILING DATE: 2003-05-23
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 2031
/ SOFTWARE: PatentIn version 3.3
/ SEQ ID NO 1196
/ LENGTH: 19
/ TYPE: RNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: siNA antisense
US-10-942-560-1196

Query Match 66.7%; Score 12; DB 22; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 6 GGGGUCCUGGAG 17
|||||
|

RESULT 77
US-10-942-560-1198
/ Sequence 1198, Application US/10942560
/ Publication No. US20050209180A1
/ GENERAL INFORMATION:
/ APPLICANT: Jadhav, Vasant
/ APPLICANT: Kossen, Karl
/ APPLICANT: Zinnen, Shawn
/ APPLICANT: Vaish, Narendra
/ APPLICANT: McSwiggen, James
/ APPLICANT: Sirna Therapeutics, Inc.
/ TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Hepatitis C Virus (HCV)
/ FILE REFERENCE: 02-763-I (400/234)
/ CURRENT APPLICATION NUMBER: US/10/942,560
/ CURRENT FILING DATE: 2004-09-15
/ PRIOR APPLICATION NUMBER: US 10/667,271
/ PRIOR FILING DATE: 2003-09-16
/ PRIOR APPLICATION NUMBER: PCT/US03/05043
/ PRIOR FILING DATE: 2003-02-20
/ PRIOR APPLICATION NUMBER: PCT/US02/09187
/ PRIOR FILING DATE: 2002-03-26
/ PRIOR APPLICATION NUMBER: 60/401,104
/ PRIOR FILING DATE: 2002-08-05
/ PRIOR APPLICATION NUMBER: PCT/US 04/16390
/ PRIOR FILING DATE: 2004-05-24
/ PRIOR APPLICATION NUMBER: US 10/826,966
/ PRIOR FILING DATE: 2004-04-16
/ PRIOR APPLICATION NUMBER: US 10/757,803
/ PRIOR FILING DATE: 2004-01-14
/ PRIOR APPLICATION NUMBER: US 10/720,448
/ PRIOR FILING DATE: 2003-11-24
/ PRIOR APPLICATION NUMBER: US 10/693,059
/ PRIOR FILING DATE: 2003-10-23
/ PRIOR APPLICATION NUMBER: US 10/444,853
/ PRIOR FILING DATE: 2003-05-23
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 2031
/ SOFTWARE: PatentIn version 3.3
/ SEQ ID NO 1196
/ LENGTH: 19
/ TYPE: RNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: siNA antisense
US-10-942-560-1196
```

```
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1198
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense
US-10-942-560-1198

Query Match          66.7%; Score 12; DB 22; Length 19;
Best Local Similarity 100.0%; Pred.No. 1.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
   |||||
Db 5 GGGGUCCUGGAG 16

RESULT 78
US-10-942-560-1234
; Sequence 1234, Application US/10942560
; Publication No. US20050209180A1
; GENERAL INFORMATION:
; APPLICANT: Jadhav, Vasant
; APPLICANT: Kossen, Karl
; APPLICANT: Zinnen, Shawn
; APPLICANT: Vaish, Narendra
; APPLICANT: McSwiggen, James
; APPLICANT: Sirna Therapeutics, Inc.
; TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Hepatitis C Virus (HCV)
; FILE REFERENCE: 02-763-I (400/234)
; CURRENT APPLICATION NUMBER: US/10/942,560
; CURRENT FILING DATE: 2004-09-15
; PRIOR FILING DATE: 2004-09-15
; PRIOR APPLICATION NUMBER: US 10/667,271
; PRIOR FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: PCT/US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: PCT/US 04/16390
; PRIOR FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: US 10/826,966
; PRIOR FILING DATE: 2004-04-16
; PRIOR APPLICATION NUMBER: US 10/757,803
; PRIOR FILING DATE: 2004-01-14
; PRIOR APPLICATION NUMBER: US 10/720,448
; PRIOR FILING DATE: 2003-11-24
; PRIOR APPLICATION NUMBER: US 10/693,059
; PRIOR FILING DATE: 2003-10-23
; PRIOR APPLICATION NUMBER: US 10/444,853
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2031
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1234
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense
US-10-942-560-1234

Query Match          66.7%; Score 12; DB 22; Length 19;
Best Local Similarity 100.0%; Pred.No. 1.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
   |||||
Db 2 GGGGUCCUGGAG 13

RESULT 79
US-10-942-560-1240
; Sequence 1240, Application US/10942560
; Publication No. US20050209180A1
; GENERAL INFORMATION:
; APPLICANT: Jadhav, Vasant
; APPLICANT: Kossen, Karl
; APPLICANT: Zinnen, Shawn
; APPLICANT: Vaish, Narendra
; APPLICANT: McSwiggen, James
; APPLICANT: Sirna Therapeutics, Inc.
; TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Hepatitis C Virus (HCV)
; FILE REFERENCE: 02-763-I (400/234)
; CURRENT APPLICATION NUMBER: US/10/942,560
; CURRENT FILING DATE: 2004-09-15
; PRIOR FILING DATE: 2004-09-15
; PRIOR APPLICATION NUMBER: US 10/667,271
; PRIOR FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: PCT/US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: PCT/US 04/16390
; PRIOR FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: US 10/826,966
; PRIOR FILING DATE: 2004-04-16
; PRIOR APPLICATION NUMBER: US 10/757,803
; PRIOR FILING DATE: 2004-01-14
; PRIOR APPLICATION NUMBER: US 10/720,448
; PRIOR FILING DATE: 2003-11-24
; PRIOR APPLICATION NUMBER: US 10/693,059
; PRIOR FILING DATE: 2003-10-23
; PRIOR APPLICATION NUMBER: US 10/444,853
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2031
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1240
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense
US-10-942-560-1240

Query Match          66.7%; Score 12; DB 22; Length 19;
Best Local Similarity 100.0%; Pred.No. 1.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
   |||||
Db 1 GGGGUCCUGGAG 12

RESULT 80
US-10-942-560-1241
; Sequence 1241, Application US/10942560
; Publication No. US20050209180A1
; GENERAL INFORMATION:
; APPLICANT: Jadhav, Vasant
; APPLICANT: Kossen, Karl
; APPLICANT: Zinnen, Shawn
; APPLICANT: Vaish, Narendra
; APPLICANT: McSwiggen, James
; APPLICANT: Sirna Therapeutics, Inc.
; TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Hepatitis C Virus (HCV)
; FILE REFERENCE: 02-763-I (400/234)
; CURRENT APPLICATION NUMBER: US/10/942,560
; CURRENT FILING DATE: 2004-09-15
```

```
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1198
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense
US-10-942-560-1198

Query Match          66.7%; Score 12; DB 22; Length 19;
Best Local Similarity 100.0%; Pred.No. 1.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
   |||||
Db 5 GGGGUCCUGGAG 16

RESULT 78
US-10-942-560-1234
; Sequence 1234, Application US/10942560
; Publication No. US20050209180A1
; GENERAL INFORMATION:
; APPLICANT: Jadhav, Vasant
; APPLICANT: Kossen, Karl
; APPLICANT: Zinnen, Shawn
; APPLICANT: Vaish, Narendra
; APPLICANT: McSwiggen, James
; APPLICANT: Sirna Therapeutics, Inc.
; TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Hepatitis C Virus (HCV)
; FILE REFERENCE: 02-763-I (400/234)
; CURRENT APPLICATION NUMBER: US/10/942,560
; CURRENT FILING DATE: 2004-09-15
; PRIOR FILING DATE: 2004-09-15
; PRIOR APPLICATION NUMBER: US 10/667,271
; PRIOR FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: PCT/US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: PCT/US 04/16390
; PRIOR FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: US 10/826,966
; PRIOR FILING DATE: 2004-04-16
; PRIOR APPLICATION NUMBER: US 10/757,803
; PRIOR FILING DATE: 2004-01-14
; PRIOR APPLICATION NUMBER: US 10/720,448
; PRIOR FILING DATE: 2003-11-24
; PRIOR APPLICATION NUMBER: US 10/693,059
; PRIOR FILING DATE: 2003-10-23
; PRIOR APPLICATION NUMBER: US 10/444,853
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2031
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1234
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense
US-10-942-560-1234

Query Match          66.7%; Score 12; DB 22; Length 19;
Best Local Similarity 100.0%; Pred.No. 1.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
   |||||
Db 2 GGGGUCCUGGAG 13

RESULT 79
US-10-942-560-1240
; Sequence 1240, Application US/10942560
; Publication No. US20050209180A1
; GENERAL INFORMATION:
; APPLICANT: Jadhav, Vasant
; APPLICANT: Kossen, Karl
; APPLICANT: Zinnen, Shawn
; APPLICANT: Vaish, Narendra
; APPLICANT: McSwiggen, James
; APPLICANT: Sirna Therapeutics, Inc.
; TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Hepatitis C Virus (HCV)
; FILE REFERENCE: 02-763-I (400/234)
; CURRENT APPLICATION NUMBER: US/10/942,560
; CURRENT FILING DATE: 2004-09-15
; PRIOR FILING DATE: 2004-09-15
; PRIOR APPLICATION NUMBER: US 10/667,271
; PRIOR FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: PCT/US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: PCT/US 04/16390
; PRIOR FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: US 10/826,966
; PRIOR FILING DATE: 2004-04-16
; PRIOR APPLICATION NUMBER: US 10/757,803
; PRIOR FILING DATE: 2004-01-14
; PRIOR APPLICATION NUMBER: US 10/720,448
; PRIOR FILING DATE: 2003-11-24
; PRIOR APPLICATION NUMBER: US 10/693,059
; PRIOR FILING DATE: 2003-10-23
; PRIOR APPLICATION NUMBER: US 10/444,853
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2031
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1240
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense
US-10-942-560-1240

Query Match          66.7%; Score 12; DB 22; Length 19;
Best Local Similarity 100.0%; Pred.No. 1.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
   |||||
Db 1 GGGGUCCUGGAG 12

RESULT 80
US-10-942-560-1241
; Sequence 1241, Application US/10942560
; Publication No. US20050209180A1
; GENERAL INFORMATION:
; APPLICANT: Jadhav, Vasant
; APPLICANT: Kossen, Karl
; APPLICANT: Zinnen, Shawn
; APPLICANT: Vaish, Narendra
; APPLICANT: McSwiggen, James
; APPLICANT: Sirna Therapeutics, Inc.
; TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Hepatitis C Virus (HCV)
; FILE REFERENCE: 02-763-I (400/234)
; CURRENT APPLICATION NUMBER: US/10/942,560
; CURRENT FILING DATE: 2004-09-15
```

;; PRIOR APPLICATION NUMBER: US 10/667,271
;; PRIOR FILING DATE: 2003-09-16
;; PRIOR APPLICATION NUMBER: PCT/US03/05043
;; PRIOR FILING DATE: 2003-02-20
;; PRIOR APPLICATION NUMBER: PCT/US02/09187
;; PRIOR FILING DATE: 2002-03-26
;; PRIOR APPLICATION NUMBER: 60/401,104
;; PRIOR FILING DATE: 2002-08-05
;; PRIOR APPLICATION NUMBER: PCT/US 04/16390
;; PRIOR FILING DATE: 2004-05-24
;; PRIOR APPLICATION NUMBER: US 10/826,966
;; PRIOR FILING DATE: 2004-04-16
;; PRIOR APPLICATION NUMBER: US 10/757,803
;; PRIOR FILING DATE: 2004-01-14
;; PRIOR APPLICATION NUMBER: US 10/720,448
;; PRIOR FILING DATE: 2003-11-24
;; PRIOR APPLICATION NUMBER: US 10/693,059
;; PRIOR FILING DATE: 2003-10-23
;; PRIOR APPLICATION NUMBER: US 10/444,853
;; PRIOR FILING DATE: 2003-05-23
;; Remaining Prior Application data removed - See File Wrapper or PALM.
;; NUMBER OF SEQ ID NOS: 2031
;; SOFTWARE: PatentIn version 3.3
;; SEQ ID NO 1241
;; LENGTH: 19
;; TYPE: RNA
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Description of Artificial Sequence: sina antisense
US-10-942-560-1241

Query Match 66.7%; Score 12; DB 22; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 3 GGGGUCCUGGAG 14

RESULT 81
US-08-887-505-19
; Sequence 19, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; APPLICANT: Walther, Debra M.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; TITLE OF INVENTION: HEPATITIS C VIRUS
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESS: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:

;; APPLICATION NUMBER: US 08/471,968
;; FILING DATE: 06-JUN-1995
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Kerner, Ann-Louise
;; REGISTRATION NUMBER: 33,523
;; REFERENCE/DOCKET NUMBER: HYZ-040CIP
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (617) 526-6000
;; TELEFAX: (617) 526-5000
;; INFORMATION FOR SEQ ID NO: 19:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 20 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: DNA
;; HYPOTHETICAL: NO
;; ANTI-SENSE: YES
US-08-887-505-19

Query Match 66.7%; Score 12; DB 8; Length 20;
Best Local Similarity 83.3%; Pred. No. 1.4e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 2 GGGGTCTTGAG 13

RESULT 82
US-08-887-505-20
; Sequence 20, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; APPLICANT: Walther, Debra M.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; TITLE OF INVENTION: HEPATITIS C VIRUS
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESS: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:

; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
US-08-887-505-20

Query Match 66.7%; Score 12; DB 8; Length 20;
Best Local Similarity 83.3%; Pred. No. 1.4e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
|:|||||
Db 6 GGGGTCTGGAG 17
|:|||||

RESULT 83

US-10-291-230-49/c
; Sequence 49, Application US/10291230
; Publication No. US20030108939A1
; GENERAL INFORMATION:
; APPLICANT: Ruffner, Duane E.
; APPLICANT: Pierce, Michael L.
; APPLICANT: Chen, Zhidong
; TITLE OF INVENTION: Directed Antisense Libraries
; FILE REFERENCE: T6678.US.A
; CURRENT APPLICATION NUMBER: US/10/291,230
; CURRENT FILING DATE: 2002-11-07
; PRIOR APPLICATION NUMBER: US 09/647,344
; PRIOR FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: PCT/US99/06742
; PRIOR FILING DATE: 1999-03-28
; PRIOR APPLICATION NUMBER: US 60/079,792
; PRIOR FILING DATE: 1998-03-28
; PRIOR APPLICATION NUMBER: US 60/107,504
; PRIOR FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 49
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Deletion fragment in a deletion fragment library, including a por
; OTHER INFORMATION: tion of a multiple cloning site.

; NAME/KEY: misc_feature
; LOCATION: (1)..(14)
; OTHER INFORMATION: The "n" in the sequence means a or g or c or t.
US-10-291-230-49

Query Match 66.7%; Score 12; DB 15; Length 20;
Best Local Similarity 91.7%; Pred. No. 1.4e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 7 CUGGAGNNNNN 18
|:|||||
Db 20 CTGGAGNNNNN 9
|:|||||

RESULT 84

US-10-291-249-49/c
; Sequence 49, Application US/10291249
; Publication No. US20030119041A1
; GENERAL INFORMATION:
; APPLICANT: Ruffner, Duane E.
; APPLICANT: Pierce, Michael L.
; APPLICANT: Chen, Zhidong
; TITLE OF INVENTION: Directed Antisense Libraries
; FILE REFERENCE: T6678.US.B
; CURRENT APPLICATION NUMBER: US/10/291,249

; CURRENT FILING DATE: 2002-11-07
; PRIOR APPLICATION NUMBER: US 09/647,344
; PRIOR FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: PCT/US99/06742
; PRIOR FILING DATE: 1999-03-28
; PRIOR APPLICATION NUMBER: US 60/079,792
; PRIOR FILING DATE: 1998-03-28
; PRIOR APPLICATION NUMBER: US 60/107,504
; PRIOR FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 49
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Deletion fragment in a deletion fragment library, including a por
; OTHER INFORMATION: tion of a multiple cloning site.
; NAME/KEY: misc_feature
; LOCATION: (1)..(14)
; OTHER INFORMATION: The "n" in the sequence means a or g or c or t.
US-10-291-249-49

Query Match 66.7%; Score 12; DB 15; Length 20;
Best Local Similarity 91.7%; Pred. No. 1.4e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 7 CUGGAGNNNNN 18
|:|||||
Db 20 CTGGAGNNNNN 9
|:|||||

RESULT 85

US-10-008-140B-12/c
; Sequence 12, Application US/10008140B
; Publication No. US20030124512A1
; GENERAL INFORMATION:
; APPLICANT: Pharmasset, Ltd.
; APPLICANT: Stuyver, Lieven
; TITLE OF INVENTION: Simultaneous Quantification of Nucleic Acids in Diseased Cells
; FILE REFERENCE: 08841.105021
; CURRENT APPLICATION NUMBER: US/10/008,140B
; CURRENT FILING DATE: 2001-10-18
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 20
; TYPE: DNA
; ORGANISM: artificial sequence
; FEATURE:
; OTHER INFORMATION: oligonucleotide (probe) used to detect HCV viral load
US-10-008-140B-12

Query Match 66.7%; Score 12; DB 15; Length 20;
Best Local Similarity 83.3%; Pred. No. 1.4e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
|:|||||
Db 13 GGGGTCTGGAG 2
|:|||||

RESULT 86

US-10-169-371-48/c
; Sequence 48, Application US/10169371
; Publication No. US20030175729A1
; GENERAL INFORMATION:
; APPLICANT: VAN EIJK, Michael Josephus Theresia
; APPLICANT: HOGERS, Rene Cornelis Josephus
; APPLICANT: HEIJNEN, Leo
; TITLE OF INVENTION: Method for generating oligonucleotides, in particular for the
; CURRENT APPLICATION NUMBER: detection of amplified restriction fragments obtained using AFLP

FILE REFERENCE: VAN EIJK=2
CURRENT APPLICATION NUMBER: US/10/169,371
CURRENT FILING DATE: 2002-07-01
PRIOR APPLICATION NUMBER: EPC 99204614.4
PRIOR FILING DATE: 1999-12-29
PRIOR APPLICATION NUMBER: PCT/NL00/00963
PRIOR FILING DATE: 2000-12-28
NUMBER OF SEQ ID NOS: 95
SOFTWARE: PatentIn version 3.2
SEQ ID NO 48
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: synthetic
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)..(14)
OTHER INFORMATION: n is a, c, g, or t
US-10-169-371-48

Query Match 66.7%; Score 12; DB 16; Length 20;
Best Local Similarity 91.7%; Pred. No. 1.4e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 CUAGGAGNNNNN 18
DB 20 CTGGAGNNNNN 9

RESULT 87

US-09-747-419-7/c
Sequence 7, Application US/09747419
Publication No. US2002015582A1
GENERAL INFORMATION:
APPLICANT: Lemon, Stanley
TITLE OF INVENTION: REPLICATION COMPETENT HEPATITIS C VIRUS AND METHODS OF USE
CURRENT APPLICATION NUMBER: US/09/747,419
CURRENT FILING DATE: 2000-12-23
PRIOR APPLICATION NUMBER: US 60/171,909
PRIOR FILING DATE: 1999-12-23
NUMBER OF SEQ ID NOS: 34
SOFTWARE: PatentIn version 3.0
SEQ ID NO 7
LENGTH: 21
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Red probe
NAME/KEY: misc_difference
LOCATION: (1)..(1)
OTHER INFORMATION: LC640 labeled
US-09-747-419-7

Query Match 66.7%; Score 12; DB 9; Length 21;
Best Local Similarity 83.3%; Pred. No. 1.4e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
DB 21 GGGGTCCTGGAG 10

RESULT 88

US-10-259-275-7/c
Sequence 7, Application US/10259275
Publication No. US20030125541A1
GENERAL INFORMATION:
APPLICANT: Lemon, Stanley M.
TITLE OF INVENTION: REPLICATION COMPETENT HEPATITIS C VIRUS AND METHODS OF USE

FILE REFERENCE: 265.0007 0120
CURRENT APPLICATION NUMBER: US/10/259,275
CURRENT FILING DATE: 2003-01-13
PRIOR APPLICATION NUMBER: US 60/171,909
PRIOR FILING DATE: 1999-12-23
PRIOR APPLICATION NUMBER: US 09/747,419
PRIOR FILING DATE: 2000-12-23
PRIOR APPLICATION NUMBER: US 60/325,236
PRIOR FILING DATE: 2001-09-27
PRIOR APPLICATION NUMBER: US 60/338,123
PRIOR FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 73
SOFTWARE: PatentIn version 3.0
SEQ ID NO 7
LENGTH: 21
TYPE: DNA
ORGANISM: artificial
FEATURE:
OTHER INFORMATION: Red probe
FEATURE:
NAME/KEY: misc_difference
LOCATION: (1)..(1)
OTHER INFORMATION: LC640 labeled
US-10-259-275-7

Query Match 66.7%; Score 12; DB 15; Length 21;
Best Local Similarity 83.3%; Pred. No. 1.4e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
DB 21 GGGGTCCTGGAG 10

RESULT 89

US-11-006-313-7/c
Sequence 7, Application US/11006313
Publication No. US20050153281A1
GENERAL INFORMATION:
APPLICANT: Lemon, Stanley M.
TITLE OF INVENTION: REPLICATION COMPETENT HEPATITIS C VIRUS AND METHODS OF USE
CURRENT APPLICATION NUMBER: US/11/006,313
CURRENT FILING DATE: 2004-12-06
PRIOR APPLICATION NUMBER: US 60/171,909
PRIOR FILING DATE: 1999-12-23
PRIOR APPLICATION NUMBER: US 10/259,275
PRIOR FILING DATE: 2002-09-27
PRIOR APPLICATION NUMBER: US 09/747,419
PRIOR FILING DATE: 2000-12-23
PRIOR APPLICATION NUMBER: US 60/325,236
PRIOR FILING DATE: 2001-09-27
PRIOR APPLICATION NUMBER: US 60/338,123
PRIOR FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 73
SOFTWARE: PatentIn version 3.2
SEQ ID NO 7
LENGTH: 21
TYPE: DNA
ORGANISM: artificial
FEATURE:
OTHER INFORMATION: Red probe
FEATURE:
NAME/KEY: misc_difference
LOCATION: (1)..(1)
OTHER INFORMATION: LC640 labeled
US-11-006-313-7

Query Match 66.7%; Score 12; DB 24; Length 21;
Best Local Similarity 83.3%; Pred. No. 1.4e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
|:|:|:|:|:|:|
Db 21 GGGGTCTGGAG 10

RESULT 90

US-10-291-230-38/c
; Sequence 38, Application US/10291230
; Publication No. US20030108939A1
; GENERAL INFORMATION:
; APPLICANT: Ruffner, Duane E.
; APPLICANT: Pierce, Michael L.
; APPLICANT: Chen, Zhidong
; TITLE OF INVENTION: Directed Antisense Libraries
; FILE REFERENCE: T6678 US.A
; CURRENT APPLICATION NUMBER: US/10/291,230
; CURRENT FILING DATE: 2002-11-07
; PRIOR APPLICATION NUMBER: US 09/647,344
; PRIOR FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: PCT/US99/06742
; PRIOR FILING DATE: 1999-03-28
; PRIOR APPLICATION NUMBER: US 60/079,792
; PRIOR FILING DATE: 1998-03-28
; PRIOR APPLICATION NUMBER: US 60/107,504
; PRIOR FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 38
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Portion of an intermediate in the making of a deletion library, i
; OTHER INFORMATION: including a portion of a multiple cloning site.
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(16)
; OTHER INFORMATION: The "n" in the sequence means a or g or c or t/u.
US-10-291-230-38

Query Match 66.7%; Score 12; DB 15; Length 22;
Best Local Similarity 91.7%; Pred. No. 1.4e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 7 CUGGAGNNNNNN 18
|:|:|:|:|:|:|
Db 22 CTGGAGNNNNNN 11

RESULT 91

US-10-291-249-38/c
; Sequence 38, Application US/10291249
; Publication No. US20030119041A1
; GENERAL INFORMATION:
; APPLICANT: Ruffner, Duane E.
; APPLICANT: Pierce, Michael L.
; APPLICANT: Chen, Zhidong
; TITLE OF INVENTION: Directed Antisense Libraries
; FILE REFERENCE: T6678 US.B
; CURRENT APPLICATION NUMBER: US/10/291,249
; CURRENT FILING DATE: 2002-11-07
; PRIOR APPLICATION NUMBER: US 09/647,344
; PRIOR FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: PCT/US99/06742
; PRIOR FILING DATE: 1999-03-28
; PRIOR APPLICATION NUMBER: US 60/079,792
; PRIOR FILING DATE: 1998-03-28
; PRIOR APPLICATION NUMBER: US 60/107,504
; PRIOR FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 38
; LENGTH: 22

; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Portion of an intermediate in the making of a deletion library, i
; OTHER INFORMATION: including a portion of a multiple cloning site.
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(16)
; OTHER INFORMATION: The "n" in the sequence means a or g or c or t/u.
US-10-291-249-38

Query Match 66.7%; Score 12; DB 15; Length 22;
Best Local Similarity 91.7%; Pred. No. 1.4e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 7 CUGGAGNNNNNN 18
|:|:|:|:|:|:|
Db 22 CTGGAGNNNNNN 11

RESULT 92

US-10-169-371-47
; Sequence 47, Application US/10169371
; Publication No. US2003017529A1
; GENERAL INFORMATION:
; APPLICANT: VAN EIJK, Michael Josephus Theresia
; APPLICANT: HOGERS, Rene Cornelis Josephus
; APPLICANT: HEIJNEN, Leo
; TITLE OF INVENTION: Method for generating oligonucleotides, in particular for the
; TITLE OF INVENTION: detection of amplified restriction fragments obtained using AFLP
; FILE REFERENCE: VAN EIJK-2
; CURRENT APPLICATION NUMBER: US/10/169,371
; CURRENT FILING DATE: 2002-07-01
; PRIOR APPLICATION NUMBER: EPC 99204614.4
; PRIOR FILING DATE: 1999-12-29
; PRIOR APPLICATION NUMBER: PCT/NL00/00963
; PRIOR FILING DATE: 2000-12-28
; NUMBER OF SEQ ID NOS: 95
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 47
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: synthetic
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (7)..(22)
; OTHER INFORMATION: n is a, c, g, or t
US-10-169-371-47

Query Match 66.7%; Score 12; DB 16; Length 22;
Best Local Similarity 91.7%; Pred. No. 1.4e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 7 CUGGAGNNNNNN 18
|:|:|:|:|:|:|
Db 1 CTGGAGNNNNNN 12

RESULT 93

US-10-092-885-59
; Sequence 59, Application US/10092885
; Publication No. US20030190618A1
; GENERAL INFORMATION:
; APPLICANT: SAMAL, BABRU
; APPLICANT: LI YUAN
; APPLICANT: HERMIDA, LEANDRO C.
; APPLICANT: HOPPA, NANCY L.
; APPLICANT: JOHE, KARL K.
; TITLE OF INVENTION: METHOD FOR GENERATING FIVE PRIME BIASED TANDEM TAG
; TITLE OF INVENTION: LIBRARIES OF CDNAS
; FILE REFERENCE: 0109015/026

```
; CURRENT APPLICATION NUMBER: US/10/092,885
; CURRENT FILING DATE: 2002-03-06
; NUMBER OF SEQ ID NOS: 60
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 59
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: modified base
; LOCATION: (7)..(22)
; OTHER INFORMATION: a, t, c, g, other or unknown
US-10-092-885-59

Query Match          66.7%; Score 12; DB 16; Length 22;
Best Local Similarity 91.7%; Pred. No. 1.4e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 7 CUGGAGNNNNNN 18
   |:|||||
Db 1 CTGGAGNNNNNN 12

RESULT 94
US-10-045-674-375
; Sequence 375, Application US/10045674
; Publication No. US2003023233A1
; GENERAL INFORMATION:
; APPLICANT: LADNER, ROBERT C.
; APPLICANT: COHEN, EDWARD H.
; APPLICANT: NASTRI, HORACIO G.
; APPLICANT: ROOKEY, KRISTIN L.
; APPLICANT: HOET, RENE
; APPLICANT: HOGENBOOM, HENDRICUS R. J. M.
; TITLE OF INVENTION: NOVEL METHODS OF CONSTRUCTING LIBRARIES COMPRISING
; TITLE OF INVENTION: DISPLAYED AND/OR EXPRESSED MEMBERS OF A DIVERSE FAMILY
; TITLE OF INVENTION: OF PEPTIDES, POLYPEPTIDES OR PROTEINS AND THE NOVEL
; TITLE OF INVENTION: LIBRARIES
; FILE REFERENCE: DVAX/002 CIP2
; CURRENT APPLICATION NUMBER: US/10/045,674
; CURRENT FILING DATE: 2001-10-25
; PRIOR APPLICATION NUMBER: 60/198,069
; PRIOR FILING DATE: 2000-04-17
; PRIOR APPLICATION NUMBER: 09/837,306
; PRIOR FILING DATE: 2001-04-17
; NUMBER OF SEQ ID NOS: 635
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 375
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: oligonucleotide
; NAME/KEY: modified base
; LOCATION: (7)..(22)
; OTHER INFORMATION: A, T, C, G, other or unknown
US-10-045-674-375

Query Match          66.7%; Score 12; DB 17; Length 22;
Best Local Similarity 91.7%; Pred. No. 1.4e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 7 CUGGAGNNNNNN 18
   |:|||||
Db 1 CTGGAGNNNNNN 12

RESULT 95
US-10-399-843-4
; Sequence 4, Application US/10399843
; Publication No. US20040053284A1
```

```
; GENERAL INFORMATION:
; APPLICANT: Andrus, Linda
; APPLICANT: Nichols, Carmen Nicola
; TITLE OF INVENTION: Universal Multi-Variant Detection System
; FILE REFERENCE: 454-30 PCT/US
; CURRENT APPLICATION NUMBER: US/10/399,843
; CURRENT FILING DATE: 2003-04-22
; PRIOR APPLICATION NUMBER: PCT/US02/12035
; PRIOR FILING DATE: 2002-04-17
; PRIOR APPLICATION NUMBER: 60/284,334
; PRIOR FILING DATE: 2001-04-17
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: primer
; NAME/KEY: misc feature
; LOCATION: (1)..(22)
; OTHER INFORMATION: Nucleotide sequence encoding a primer
US-10-399-843-4

Query Match          66.7%; Score 12; DB 18; Length 22;
Best Local Similarity 83.3%; Pred. No. 1.4e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
   ||||:||||
Db 11 GGGGTCTTGAG 22

RESULT 96
US-10-702-228A-22
; Sequence 22, Application US/10702228A
; Publication No. US20050074785A1
; GENERAL INFORMATION:
; APPLICANT: Slater, Michael R.
; APPLICANT: Wood, Keith V.
; APPLICANT: Hartnett, James Robert
; APPLICANT: Promega Corporation
; TITLE OF INVENTION: Vectors for Directional Cloning
; FILE REFERENCE: 341.030US1
; CURRENT APPLICATION NUMBER: US/10/702,228A
; CURRENT FILING DATE: 2003-11-05
; PRIOR APPLICATION NUMBER: 10/678,961
; PRIOR FILING DATE: 2003-10-03
; NUMBER OF SEQ ID NOS: 92
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 22
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: A synthetic DNA fragment
; NAME/KEY: misc feature
; LOCATION: 7-22
; OTHER INFORMATION: n = A, T, G, or C
US-10-702-228A-22

Query Match          66.7%; Score 12; DB 21; Length 22;
Best Local Similarity 91.7%; Pred. No. 1.4e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 7 CUGGAGNNNNNN 18
   |:|||||
Db 1 CTGGAGNNNNNN 12

RESULT 97
```

```
US-10-678-961B-22
; Sequence 22, Application US/10678961B
; Publication No. US20050074883A1
; GENERAL INFORMATION:
; APPLICANT: Slater, Michael R.
; APPLICANT: Strauss, Ethan Edward
; APPLICANT: Wood, Keith V.
; APPLICANT: Hartnett, James Robert
; APPLICANT: Promega Corporation
; TITLE OF INVENTION: Vectors for Directional Cloning
; FILE REFERENCE: 341.023US1
; CURRENT APPLICATION NUMBER: US/10/678,961B
; CURRENT FILING DATE: 2003-10-03
; NUMBER OF SEQ ID NOS: 91
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 22
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: A synthetic DNA fragment
; NAME/KEY: misc_feature
; LOCATION: 7-22
; OTHER INFORMATION: n = A, T, G, or C
US-10-678-961B-22

Query Match          66.7%; Score 12; DB 21; Length 22;
Best Local Similarity 91.7%; Pred. No. 1.4e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy      7 CUGGAGNNNNNN 18
Db      1 CTGGAGNNNNNN 12
|:|||||

RESULT 98
US-10-987-411-22
; Sequence 22, Application US/10987411
; Publication No. US20050130205A1
; GENERAL INFORMATION:
; APPLICANT: Slater, Michael R.
; APPLICANT: Strauss, Ethan Edward
; APPLICANT: Wood, Keith V.
; APPLICANT: Hartnett, James Robert
; APPLICANT: Promega Corporation
; TITLE OF INVENTION: Vectors for Directional Cloning
; FILE REFERENCE: 341.023US1
; CURRENT APPLICATION NUMBER: US/10/987,411
; CURRENT FILING DATE: 2004-11-12
; PRIOR FILING DATE: 2003-10-03
; NUMBER OF SEQ ID NOS: 91
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 22
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: A synthetic DNA fragment
; NAME/KEY: misc_feature
; LOCATION: 7-22
; OTHER INFORMATION: n = A, T, G, or C
US-10-987-411-22

Query Match          66.7%; Score 12; DB 22; Length 22;
Best Local Similarity 91.7%; Pred. No. 1.4e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy      7 CUGGAGNNNNNN 18
Db      1 CTGGAGNNNNNN 12
|:|||||

US-10-678-961B-22
; Sequence 22, Application US/10678961B
; Publication No. US20050074883A1
; GENERAL INFORMATION:
; APPLICANT: Slater, Michael R.
; APPLICANT: Strauss, Ethan Edward
; APPLICANT: Wood, Keith V.
; APPLICANT: Hartnett, James Robert
; APPLICANT: Promega Corporation
; TITLE OF INVENTION: Vectors for Directional Cloning
; FILE REFERENCE: 341.023US1
; CURRENT APPLICATION NUMBER: US/10/678,961B
; CURRENT FILING DATE: 2003-10-03
; NUMBER OF SEQ ID NOS: 91
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 22
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: A synthetic DNA fragment
; NAME/KEY: misc_feature
; LOCATION: 7-22
; OTHER INFORMATION: n = A, T, G, or C
US-10-678-961B-22

Query Match          66.7%; Score 12; DB 21; Length 22;
Best Local Similarity 91.7%; Pred. No. 1.4e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy      7 CUGGAGNNNNNN 18
Db      1 CTGGAGNNNNNN 12
|:|||||
```

```
RESULT 99
US-10-053-883-111
; Sequence 111, Application US/10053883
; Publication No. US20030113737A1
; GENERAL INFORMATION:
; APPLICANT: PEDERSEN, Morten Lorentz
; TITLE OF INVENTION: ASSAY AND KIT FOR ANALYZING GENE EXPRESSION
; FILE REFERENCE: PEDERSEN=1A
; CURRENT APPLICATION NUMBER: US/10/053,883
; CURRENT FILING DATE: 2002-01-02
; PRIOR APPLICATION NUMBER: PA 2001 00126
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: US 60/267,704
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 148
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 111
; LENGTH: 23
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic
; NAME/KEY: misc_feature
; LOCATION: (7)..(23)
; OTHER INFORMATION: n is a, c, g or t
US-10-053-883-111

Query Match          66.7%; Score 12; DB 15; Length 23;
Best Local Similarity 91.7%; Pred. No. 1.4e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy      7 CUGGAGNNNNNN 18
Db      1 CTGGAGNNNNNN 12
|:|||||

RESULT 100
US-10-053-883-112/c
; Sequence 112, Application US/10053883
; Publication No. US20030113737A1
; GENERAL INFORMATION:
; APPLICANT: PEDERSEN, Morten Lorentz
; TITLE OF INVENTION: ASSAY AND KIT FOR ANALYZING GENE EXPRESSION
; FILE REFERENCE: PEDERSEN=1A
; CURRENT APPLICATION NUMBER: US/10/053,883
; CURRENT FILING DATE: 2002-01-02
; PRIOR APPLICATION NUMBER: PA 2001 00126
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: US 60/267,704
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 148
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 112
; LENGTH: 23
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic
; NAME/KEY: misc_feature
; LOCATION: (1)..(17)
; OTHER INFORMATION: n is a, c, g or t
US-10-053-883-112

Query Match          66.7%; Score 12; DB 15; Length 23;
Best Local Similarity 91.7%; Pred. No. 1.4e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy      7 CUGGAGNNNNNN 18
Db      1 CTGGAGNNNNNN 12
|:|||||
```

```
Db      23 CTGGAGNNNNN 12

RESULT 101
US-08-887-505-48
; Sequence 48, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 48:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 24 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
US-08-887-505-48

Query Match      66.7%; Score 12; DB 8; Length 24;
Best Local Similarity 83.3%; Pred. No. 1.4e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Oy      1 GGGGUCCUGGAG 12
        |||||:|:|:|
Db      1 GGGGTCCTGGAG 12

RESULT 103
US-08-887-505-56
; Sequence 56, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 48:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 24 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
US-08-887-505-55

Query Match      66.7%; Score 12; DB 8; Length 24;
Best Local Similarity 83.3%; Pred. No. 1.4e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Oy      1 GGGGUCCUGGAG 12
        |||||:|:|:|
Db      1 GGGGTCCTGGAG 12

RESULT 102
US-08-887-505-55
; Sequence 55, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 48:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 24 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
US-08-887-505-55

Query Match      66.7%; Score 12; DB 8; Length 24;
Best Local Similarity 83.3%; Pred. No. 1.4e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Oy      1 GGGGUCCUGGAG 12
        |||||:|:~|||
Db      1 GGGGTCCTGGAG 12

RESULT 103
US-08-887-505-56
; Sequence 56, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 55:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 24 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
US-08-887-505-55

Query Match      66.7%; Score 12; DB 8; Length 24;
Best Local Similarity 83.3%; Pred. No. 1.4e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Oy      1 GGGGUCCUGGAG 12
        |||||:|:|:|
Db      1 GGGGTCCTGGAG 12
```

```
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 56:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 24 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA/RNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
; US-08-887-505-56

Query Match 66.7%; Score 12; DB 8; Length 24;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 1 GGGGUCCUGGAG 12

RESULT 104
US-08-887-505-57
; Sequence 57, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; APPLICANT: Walther, Debra M.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; TITLE OF INVENTION: HEPATITIS C VIRUS
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
```

```
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 57:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 24 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
; US-08-887-505-57

Query Match 66.7%; Score 12; DB 8; Length 24;
Best Local Similarity 83.3%; Pred. No. 1.4e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 13 GGGGTCTCGGAG 24

RESULT 105
US-08-887-505-58
; Sequence 58, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; APPLICANT: Walther, Debra M.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; TITLE OF INVENTION: HEPATITIS C VIRUS
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
```

TELEFAX: (617) 526-5000
INFORMATION FOR SEQ ID NO: 58:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
HYPOTHETICAL: NO
ANTI-SENSE: YES
US-08-887-505-58

Query Match 66.7%; Score 12; DB 8; Length 24;
Best Local Similarity 83.3%; Pred. No. 1.4e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0;

QY 1 GGGGUCCUGGAG 12
Db 13 GGGGTCTGGAG 24
||||:|||||

RESULT 106

US-08-887-505-59
Sequence 59, Application US/08887505
Publication No. US20020081577A1
GENERAL INFORMATION:
APPLICANT: Kilkuskie, Robert E.
APPLICANT: Frank, Bruce L.
APPLICANT: Goodchild, John
APPLICANT: Wolfe, Jia L.
APPLICANT: Roberts, Peter C.
APPLICANT: Hamlin, Jr., Henry A.
APPLICANT: Roberts, No. US20020081577A11 A.
APPLICANT: Walther, Debra M.
TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
NUMBER OF SEQUENCES: 172
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hale and Dorr LLP
STREET: 60 State Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,505
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/471,968
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Kerner, Ann-Louise
REGISTRATION NUMBER: 33,523
REFERENCE/DOCKET NUMBER: HY2-040CIP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 526-6000
TELEFAX: (617) 526-5000
INFORMATION FOR SEQ ID NO: 59:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
HYPOTHETICAL: NO
ANTI-SENSE: YES
US-08-887-505-59

Query Match 66.7%; Score 12; DB 8; Length 24;
Best Local Similarity 83.3%; Pred. No. 1.4e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0;

QY 1 GGGGUCCUGGAG 12
Db 13 GGGGTCTGGAG 24
||||:|||||

RESULT 107

US-08-887-505-60
Sequence 60, Application US/08887505
Publication No. US20020081577A1
GENERAL INFORMATION:
APPLICANT: Kilkuskie, Robert E.
APPLICANT: Frank, Bruce L.
APPLICANT: Goodchild, John
APPLICANT: Wolfe, Jia L.
APPLICANT: Roberts, Peter C.
APPLICANT: Hamlin, Jr., Henry A.
APPLICANT: Roberts, No. US20020081577A11 A.
APPLICANT: Walther, Debra M.
TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
NUMBER OF SEQUENCES: 172
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hale and Dorr LLP
STREET: 60 State Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,505
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/471,968
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Kerner, Ann-Louise
REGISTRATION NUMBER: 33,523
REFERENCE/DOCKET NUMBER: HY2-040CIP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 526-6000
TELEFAX: (617) 526-5000
INFORMATION FOR SEQ ID NO: 60:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
HYPOTHETICAL: NO
ANTI-SENSE: YES
US-08-887-505-60

QY 1 GGGGUCCUGGAG 12
Db 13 GGGGTCTGGAG 24
||||:|||||

RESULT 108

Query Match 66.7%; Score 12; DB 8; Length 24;
Best Local Similarity 83.3%; Pred. No. 1.4e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0;

QY 1 GGGGUCCUGGAG 12
Db 13 GGGGTCTGGAG 24
||||:|||||

RESULT 109

Query Match 66.7%; Score 12; DB 8; Length 24;
Best Local Similarity 83.3%; Pred. No. 1.4e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0;

QY 1 GGGGUCCUGGAG 12
Db 13 GGGGTCTGGAG 24
||||:|||||

RESULT 110

Query Match 66.7%; Score 12; DB 8; Length 24;
Best Local Similarity 83.3%; Pred. No. 1.4e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0;

QY 1 GGGGUCCUGGAG 12
Db 13 GGGGTCTGGAG 24
||||:|||||

```
US-08-887-505-61
; Sequence 61, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; APPLICANT: Walther, Debra M.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; HEPATITIS C VIRUS
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 61:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 24 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
US-08-887-505-61

Query Match 66.7%; Score 12; DB 8; Length 24;
Best Local Similarity 83.3%; Pred. No. 1.4e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 13 GGGGTCCTGGAG 24
|||||:|||||

RESULT 109
US-08-887-505-62
; Sequence 62, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
```

```
; APPLICANT: Walther, Debra M.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; HEPATITIS C VIRUS
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 62:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 24 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
US-08-887-505-62

Query Match 66.7%; Score 12; DB 8; Length 24;
Best Local Similarity 83.3%; Pred. No. 1.4e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 1 GGGGTCCTGGAG 12
|||||:|||||

RESULT 110
US-08-887-505-63
; Sequence 63, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; APPLICANT: Walther, Debra M.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; HEPATITIS C VIRUS
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
```



```
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,505
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/471,968
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Kerner, Ann-Louise
REGISTRATION NUMBER: 33,523
REFERENCE/DOCKET NUMBER: HYZ-040CIP
TELEPHONE: (617) 526-6000
TELEFAX: (617) 526-5000
INFORMATION FOR SEQ ID NO: 63:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
HYPOTHETICAL: NO
ANTI-SENSE: YES
US-08-887-505-63

Query Match 66.7%; Score 12; DB 8; Length 24;
Best Local Similarity 83.3%; Pred. No. 1.4e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
DB 13 GGGGTCCTGGAG 24
||||:|||||

RESULT 111
US-08-887-505-64
Sequence 64, Application US/08887505
Publication No. US20020081577A1
GENERAL INFORMATION:
APPLICANT: Kilkuskie, Robert E.
APPLICANT: Frank, Bruce L.
APPLICANT: Goodchild, John
APPLICANT: Wolfe, Jia L.
APPLICANT: Roberts, Peter C.
APPLICANT: Hamlin, Jr., Henry A.
APPLICANT: Roberts, No. US20020081577A11 A.
TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
NUMBER OF SEQUENCES: 172
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hale and Dorr LLP
STREET: 60 State Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,505
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/471,968
```

```
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Kerner, Ann-Louise
REGISTRATION NUMBER: 33,523
REFERENCE/DOCKET NUMBER: HYZ-040CIP
TELEPHONE: (617) 526-6000
TELEFAX: (617) 526-5000
INFORMATION FOR SEQ ID NO: 64:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA/RNA
HYPOTHETICAL: NO
ANTI-SENSE: YES
US-08-887-505-64

Query Match 66.7%; Score 12; DB 8; Length 24;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
DB 1 GGGGUCCUGGAG 12
||||:|||||

RESULT 112
US-08-887-505-65
Sequence 65, Application US/08887505
Publication No. US20020081577A1
GENERAL INFORMATION:
APPLICANT: Kilkuskie, Robert E.
APPLICANT: Frank, Bruce L.
APPLICANT: Goodchild, John
APPLICANT: Wolfe, Jia L.
APPLICANT: Roberts, Peter C.
APPLICANT: Hamlin, Jr., Henry A.
APPLICANT: Roberts, No. US20020081577A11 A.
TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
NUMBER OF SEQUENCES: 172
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hale and Dorr LLP
STREET: 60 State Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,505
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/471,968
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Kerner, Ann-Louise
REGISTRATION NUMBER: 33,523
REFERENCE/DOCKET NUMBER: HYZ-040CIP
TELEPHONE: (617) 526-6000
TELEFAX: (617) 526-5000
INFORMATION FOR SEQ ID NO: 65:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
```

;
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA/RNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
US-08-887-505-65

Query Match 66.7%; Score 12; DB 8; Length 24;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 13 GGGGUCCUGGAG 24

RESULT 113
US-08-887-505-66
; Sequence 66, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; APPLICANT: Walther, Debra M.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; TITLE OF INVENTION: HEPATITIS C VIRUS
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 66:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 24 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
US-08-887-505-66

Query Match 66.7%; Score 12; DB 8; Length 24;
Best Local Similarity 83.3%; Pred. No. 1.4e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 1 GGGGTCTCGGAG 12

RESULT 114
US-08-887-505-148
; Sequence 148, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; APPLICANT: Walther, Debra M.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; TITLE OF INVENTION: HEPATITIS C VIRUS
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 148:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 24 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA/RNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
US-08-887-505-148

Query Match 66.7%; Score 12; DB 8; Length 24;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 7 GGGGUCCUGGAG 18

RESULT 115
US-08-887-505-149
; Sequence 149, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:

APPLICANT: Kilkuskie, Robert E.
APPLICANT: Frank, Bruce L.
APPLICANT: Goodchild, John
APPLICANT: Wolfe, Jia L.
APPLICANT: Roberts, Peter C.
APPLICANT: Hamlin, Jr., Henry A.
APPLICANT: Roberts, No. US20020081577A1 A.
APPLICANT: Walther, Debra M.
TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
HEPATITIS C VIRUS
NUMBER OF SEQUENCES: 172
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hale and Dorr LLP
STREET: 60 State Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,505
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/471,968
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Kerner, Ann-Louise
REGISTRATION NUMBER: 33,523
REFERENCE/DOCKET NUMBER: HYZ-040CIP
TELEPHONE: (617) 526-5000
TELEFAX: (617) 526-5000
INFORMATION FOR SEQ ID NO: 149:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA/RNA
HYPOTHETICAL: NO
ANTI-SENSE: YES
US-08-887-505-149

Query Match 66.7%; Score 12; DB 8; Length 24;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
|||||
DB 7 GGGGUCCUGGAG 18

RESULT 116
US-08-887-505-150
Sequence 150, Application US/08887505
Publication No. US20020081577A1
GENERAL INFORMATION:
APPLICANT: Kilkuskie, Robert E.
APPLICANT: Frank, Bruce L.
APPLICANT: Goodchild, John
APPLICANT: Wolfe, Jia L.
APPLICANT: Roberts, Peter C.
APPLICANT: Hamlin, Jr., Henry A.
APPLICANT: Roberts, No. US20020081577A1 A.
APPLICANT: Walther, Debra M.
TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
HEPATITIS C VIRUS
NUMBER OF SEQUENCES: 172

CORRESPONDENCE ADDRESS:
ADDRESSEE: Hale and Dorr LLP
STREET: 60 State Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,505
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/471,968
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Kerner, Ann-Louise
REGISTRATION NUMBER: 33,523
REFERENCE/DOCKET NUMBER: HYZ-040CIP
TELEPHONE: (617) 526-6000
TELEFAX: (617) 526-5000
INFORMATION FOR SEQ ID NO: 150:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA/RNA
HYPOTHETICAL: NO
ANTI-SENSE: YES
US-08-887-505-150

Query Match 66.7%; Score 12; DB 8; Length 24;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
|||||
DB 7 GGGGUCCUGGAG 18

RESULT 117
US-08-887-505-151
Sequence 151, Application US/08887505
Publication No. US20020081577A1
GENERAL INFORMATION:
APPLICANT: Kilkuskie, Robert E.
APPLICANT: Frank, Bruce L.
APPLICANT: Goodchild, John
APPLICANT: Wolfe, Jia L.
APPLICANT: Roberts, Peter C.
APPLICANT: Hamlin, Jr., Henry A.
APPLICANT: Roberts, No. US20020081577A1 A.
APPLICANT: Walther, Debra M.
TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
HEPATITIS C VIRUS
NUMBER OF SEQUENCES: 172
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hale and Dorr LLP
STREET: 60 State Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 151:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 24 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA/RNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
US-08-887-505-151

Query Match 66.7%; Score 12; DB 8; Length 24;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
| | | | | | | | | |
Db 13 GGGGUCCUGGAG 24

RESULT 118
US-08-887-505-152
; Sequence 152, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A11 A.
; APPLICANT: Walther, Debra M.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523

; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 152:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 24 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA/RNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
US-08-887-505-152

Query Match 66.7%; Score 12; DB 8; Length 24;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
| | | | | | | | | |
Db 7 GGGGUCCUGGAG 18

RESULT 119
US-08-887-505-153
; Sequence 153, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A11 A.
; APPLICANT: Walther, Debra M.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 153:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 24 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA/RNA

;
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
US-08-887-505-153

Query Match 66.7%; Score 12; DB 8; Length 24;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGGGUCCUGGAG 12
Db 13 GGGGUCCUGGAG 24

RESULT 120

US-08-887-505-154
; Sequence 154, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; APPLICANT: Walther, Debra M.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; TITLE OF INVENTION: HEPATITIS C VIRUS
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109

COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,505
FILING DATE:
CLASSIFICATION: 514

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/471,968
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Kerner, Ann-Louise
REGISTRATION NUMBER: 33,523
REFERENCE/DOCKET NUMBER: HYZ-040CIP
TELEPHONE: (617) 526-6000
TELEFAX: (617) 526-5000
INFORMATION FOR SEQ ID NO: 154:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA/RNA
HYPOTHETICAL: NO
ANTI-SENSE: YES
US-08-887-505-154

Query Match 66.7%; Score 12; DB 8; Length 24;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGGGUCCUGGAG 12
Db 7 GGGGUCCUGGAG 18

RESULT 121

US-08-887-505-155
; Sequence 155, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; APPLICANT: Walther, Debra M.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; TITLE OF INVENTION: HEPATITIS C VIRUS
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109

COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,505
FILING DATE:
CLASSIFICATION: 514

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/471,968
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Kerner, Ann-Louise
REGISTRATION NUMBER: 33,523
REFERENCE/DOCKET NUMBER: HYZ-040CIP
TELEPHONE: (617) 526-6000
TELEFAX: (617) 526-5000
INFORMATION FOR SEQ ID NO: 155:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA/RNA
HYPOTHETICAL: NO
ANTI-SENSE: YES
US-08-887-505-155

Query Match 66.7%; Score 12; DB 8; Length 24;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGGGUCCUGGAG 12
Db 13 GGGGUCCUGGAG 24

RESULT 122

US-08-887-505-156
; Sequence 156, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.

APPLICANT: Roberts, Peter C.
APPLICANT: Hamlin, Jr., Henry A.
APPLICANT: Roberts, No. US20020081577A11 A.
APPLICANT: Walther, Debra M.
TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
TITLE OF INVENTION: HEPATITIS C VIRUS
NUMBER OF SEQUENCES: 172
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hale and Dorr LLP
STREET: 60 State Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,505
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/471,968
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Kerner, Ann-Louise
REGISTRATION NUMBER: 33,523
REFERENCE/DOCKET NUMBER: HY2-040CIP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 526-6000
TELEFAX: (617) 526-5000
INFORMATION FOR SEQ ID NO: 156:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA/RNA
HYPOTHETICAL: NO
ANTI-SENSE: YES
US-08-887-505-156

Query Match 66.7%; Score 12; DB 8; Length 24;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
|||||
Db 7 GGGGUCCUGGAG 18

RESULT 123
US-08-887-505-157
Sequence 157, Application US/08887505
Publication No. US20020081577A1
GENERAL INFORMATION:
APPLICANT: Kilkuskie, Robert E.
APPLICANT: Frank, Bruce L.
APPLICANT: Goodchild, John
APPLICANT: Wolfe, Jia L.
APPLICANT: Roberts, Peter C.
APPLICANT: Hamlin, Jr., Henry A.
APPLICANT: Roberts, No. US20020081577A11 A.
APPLICANT: Walther, Debra M.
TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
TITLE OF INVENTION: HEPATITIS C VIRUS
NUMBER OF SEQUENCES: 172
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hale and Dorr LLP
STREET: 60 State Street
CITY: Boston

STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,505
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/471,968
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Kerner, Ann-Louise
REGISTRATION NUMBER: 33,523
REFERENCE/DOCKET NUMBER: HY2-040CIP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 526-6000
TELEFAX: (617) 526-5000
INFORMATION FOR SEQ ID NO: 157:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA/RNA
HYPOTHETICAL: NO
ANTI-SENSE: YES
US-08-887-505-157

Query Match 66.7%; Score 12; DB 8; Length 24;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
|||||
Db 7 GGGGUCCUGGAG 18

RESULT 124
US-08-887-505-158
Sequence 158, Application US/08887505
Publication No. US20020081577A1
GENERAL INFORMATION:
APPLICANT: Kilkuskie, Robert E.
APPLICANT: Frank, Bruce L.
APPLICANT: Goodchild, John
APPLICANT: Wolfe, Jia L.
APPLICANT: Roberts, Peter C.
APPLICANT: Hamlin, Jr., Henry A.
APPLICANT: Roberts, No. US20020081577A11 A.
APPLICANT: Walther, Debra M.
TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
TITLE OF INVENTION: HEPATITIS C VIRUS
NUMBER OF SEQUENCES: 172
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hale and Dorr LLP
STREET: 60 State Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,505
FILING DATE:

CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/471,968
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Kerner, Ann-Louise
REGISTRATION NUMBER: 33,523
REFERENCE/DOCKET NUMBER: HYZ-040CIP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 526-6000
TELEFAX: (617) 526-5000
INFORMATION FOR SEQ ID NO: 158:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA/RNA
HYPOTHETICAL: NO
ANTI-SENSE: YES
US-08-887-505-158

Query Match 66.7%; Score 12; DB 8; Length 24;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 7 GGGGUCCUGGAG 18
|||||

RESULT 125

US-10-098-263B-87040/c
Sequence 87040, Application US/10098263B
Publication No. US20030104410A1
GENERAL INFORMATION:
APPLICANT: Mittman, Michael
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 87040
LENGTH: 25
TYPE: DNA
ORGANISM: Homo sapien
US-10-098-263B-87040

Query Match 66.7%; Score 12; DB 15; Length 25;
Best Local Similarity 83.3%; Pred. No. 1.4e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 24 GGGGUCCUGGAG 13
|||||

RESULT 126

US-10-291-230-39/c
Sequence 39, Application US/10291230
Publication No. US20030108939A1
GENERAL INFORMATION:
APPLICANT: Ruffner, Duane E.
APPLICANT: Pierce, Michael L.
APPLICANT: Chen, Zhidong
TITLE OF INVENTION: Directed Antisense Libraries
FILE REFERENCE: T6678.US.A
CURRENT APPLICATION NUMBER: US/10/291,230
CURRENT FILING DATE: 2002-11-07
PRIOR APPLICATION NUMBER: US 09/647,344

PRIOR FILING DATE: 2000-12-04
PRIOR APPLICATION NUMBER: PCT/US99/06742
PRIOR FILING DATE: 1999-03-28
PRIOR APPLICATION NUMBER: US 60/079,792
PRIOR FILING DATE: 1998-03-28
PRIOR APPLICATION NUMBER: US 60/107,504
PRIOR FILING DATE: 1998-11-06
NUMBER OF SEQ ID NOS: 50
SOFTWARE: PatentIn version 3.1
SEQ ID NO 39
LENGTH: 25
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: 14 bp variable sequence fragment of a deletion library including
OTHER INFORMATION: flanking portions of multiple cloning site.
FEATURE:
NAME/KEY: misc.feature
LOCATION: (6)..(19)
OTHER INFORMATION: The "n" in the sequence means a or g or c or t/u.
US-10-291-230-39

Query Match 66.7%; Score 12; DB 15; Length 25;
Best Local Similarity 91.7%; Pred. No. 1.4e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 7 CUGGAGNNNNNN 18
Db 25 CTGGAGNNNNNN 14
|:|||||

RESULT 127

US-10-291-230-47/c
Sequence 47, Application US/10291230
Publication No. US20030108939A1
GENERAL INFORMATION:
APPLICANT: Ruffner, Duane E.
APPLICANT: Pierce, Michael L.
APPLICANT: Chen, Zhidong
TITLE OF INVENTION: Directed Antisense Libraries
FILE REFERENCE: T6678.US.A
CURRENT APPLICATION NUMBER: US/10/291,230
CURRENT FILING DATE: 2002-11-07
PRIOR APPLICATION NUMBER: US 09/647,344
PRIOR FILING DATE: 2000-12-04
PRIOR APPLICATION NUMBER: PCT/US99/06742
PRIOR FILING DATE: 1999-03-28
PRIOR APPLICATION NUMBER: US 60/079,792
PRIOR FILING DATE: 1998-03-28
PRIOR APPLICATION NUMBER: US 60/107,504
NUMBER OF SEQ ID NOS: 50
SOFTWARE: PatentIn version 3.1
SEQ ID NO 47
LENGTH: 25
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Sequence flanking the chloramphenicol (CAT) gene after insertion
OTHER INFORMATION: into the antisense library.
FEATURE:
NAME/KEY: misc.feature
LOCATION: (14)..(19)
OTHER INFORMATION: The "n" in the sequence means a or g or c or t.
US-10-291-230-47

Query Match 66.7%; Score 12; DB 15; Length 25;
Best Local Similarity 91.7%; Pred. No. 1.4e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 7 CUGGAGNNNNNN 18
Db 25 CTGGAGNNNNNN 14
|:|||||

```
; OTHER INFORMATION: Sequence flanking the chloramphenicol (CAT) gene after insertion
; OTHER INFORMATION: into the antisense library.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (14)-(19)
; OTHER INFORMATION: The "n" in the sequence means a or g or c or t.
US-10-291-249-47

Query Match      66.7%; Score 12; DB 15; Length 25;
Best Local Similarity 91.7%; Pred. No. 1.4e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy      7 CUGGAGNNNNNN 18
       |:|||||
Db      25 CTGGAGNNNNNN 14

RESULT 130
US-10-719-900-205441/c
; Sequence 205441, Application US/10719900
; Publication No. US20050026164A1
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
; FILE REFERENCE: 3528.1
; CURRENT APPLICATION NUMBER: US/10/719,900
; CURRENT FILING DATE: 2003-11-20
; PRIOR APPLICATION NUMBER: 60/427,808
; PRIOR FILING DATE: 2002 11 20
; NUMBER OF SEQ ID NOS: 982914
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 205441
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-719-900-205441

Query Match      66.7%; Score 12; DB 21; Length 25;
Best Local Similarity 83.3%; Pred. No. 1.4e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GGGGUCCUGGAG 12
       |||||:|:|
Db      22 GGGGTCCTGGAG 11

RESULT 131
US-10-956-157-225648
; Sequence 225648, Application US/10956157
; Publication No. US20050118625A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William
; TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
; FILE REFERENCE: 031896-043000 (AM 101081)
; CURRENT APPLICATION NUMBER: US/10/956,157
; CURRENT FILING DATE: 2004-10-04
; NUMBER OF SEQ ID NOS: 319805
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 225648
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Probe Sequence
US-10-956-157-225648

Query Match      66.7%; Score 12; DB 21; Length 25;
Best Local Similarity 83.3%; Pred. No. 1.4e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GGGGUCCUGGAG 12
       |||||:|:|
Db      5 GGGGTCCTGGAG 16

; OTHER INFORMATION: flanking portions of multiple cloning site.
; OTHER INFORMATION: 14 bp variable sequence fragment of a deletion library including
; OTHER INFORMATION: flanking portions of multiple cloning site.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (6)-(19)
; OTHER INFORMATION: The "n" in the sequence means a or g or c or t/u.
US-10-291-249-39

Query Match      66.7%; Score 12; DB 15; Length 25;
Best Local Similarity 91.7%; Pred. No. 1.4e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy      7 CUGGAGNNNNNN 18
       |:|||||
Db      25 CTGGAGNNNNNN 14

RESULT 129
US-10-291-249-47/c
; Sequence 47, Application US/10291249
; Publication No. US20030119041A1
; GENERAL INFORMATION:
; APPLICANT: Ruffner, Duane E.
; APPLICANT: Pierce, Michael L.
; APPLICANT: Chen, Zhidong
; TITLE OF INVENTION: Directed Antisense Libraries
; FILE REFERENCE: T6678.US.B
; CURRENT APPLICATION NUMBER: US/10/291,249
; CURRENT FILING DATE: 2002-11-07
; PRIOR APPLICATION NUMBER: US 09/647,344
; PRIOR FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: PCT/US99/06742
; PRIOR FILING DATE: 1999-03-28
; PRIOR APPLICATION NUMBER: US 60/079,792
; PRIOR FILING DATE: 1998-03-28
; PRIOR APPLICATION NUMBER: US 60/107,504
; PRIOR FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 47
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
```



```

; NUMBER OF SEQ ID NOS: 991174
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 543704
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
US-11-036-317-543704

Query Match          66.7%; Score 12; DB 24; Length 25;
Best Local Similarity 83.3%; Pred. No. 1.4e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 24 GGGGTCTGGAG 13

RESULT 135
US-10-053-883-12
; Sequence 12, Application US/10053883
; Publication No. US20030113737A1
; GENERAL INFORMATION:
; APPLICANT: PEDERSEN, Morten Lorentz
; TITLE OF INVENTION: ASSAY AND KIT FOR ANALYZING GENE EXPRESSION
; FILE REFERENCE: PEDERSEN-A1A
; CURRENT APPLICATION NUMBER: US/10/053,883
; CURRENT FILING DATE: 2002-01-02
; PRIOR APPLICATION NUMBER: PA 2001 00126
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: US 60/267,704
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 148
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 27
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic
; NAME/KEY: misc.feature
; LOCATION: (11)..(27)
; OTHER INFORMATION: n is a, c, g or t
US-10-053-883-12

Query Match          66.7%; Score 12; DB 15; Length 27;
Best Local Similarity 91.7%; Pred. No. 1.3e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 7 CUGGAGNNNNNN 18
Db 5 CTGAGNNNNNN 16

RESULT 136
US-10-053-883-13/c
; Sequence 13, Application US/10053883
; Publication No. US20030113737A1
; GENERAL INFORMATION:
; APPLICANT: PEDERSEN, Morten Lorentz
; TITLE OF INVENTION: ASSAY AND KIT FOR ANALYZING GENE EXPRESSION
; FILE REFERENCE: PEDERSEN-A1A
; CURRENT APPLICATION NUMBER: US/10/053,883
; CURRENT FILING DATE: 2002-01-02
; PRIOR APPLICATION NUMBER: PA 2001 00126
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: US 60/267,704
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 148
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
; LENGTH: 27
; TYPE: DNA

; NUMBER OF SEQ ID NOS: 991174
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 543704
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
US-11-036-317-543704

Query Match          66.7%; Score 12; DB 21; Length 25;
Best Local Similarity 83.3%; Pred. No. 1.4e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 14 GGGGTCTGGAG 25

RESULT 133
US-10-719-956-140305/c
; Sequence 140305, Application US/10719956
; Publication No. US20040146910A1
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Rat
; FILE REFERENCE: 3527.1
; CURRENT APPLICATION NUMBER: US/10/719,956
; CURRENT FILING DATE: 2003-11-20
; PRIOR APPLICATION NUMBER: 60/427,836
; PRIOR FILING DATE: 2002 11 20
; NUMBER OF SEQ ID NOS: 699466
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 140305
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-10-719-956-140305

Query Match          66.7%; Score 12; DB 22; Length 25;
Best Local Similarity 83.3%; Pred. No. 1.4e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 16 GGGGTCTGGAG 5

RESULT 134
US-11-036-317-543704/c
; Sequence 543704, Application US/11036317
; Publication No. US20050214823A1
; GENERAL INFORMATION:
; APPLICANT: Williams, Alan
; APPLICANT: Blume, John
; TITLE OF INVENTION: Method of Analysis of Alternative Splicing in Mouse
; FILE REFERENCE: 3654.1
; CURRENT APPLICATION NUMBER: US/11/036,317
; CURRENT FILING DATE: 2005-01-13
; PRIOR APPLICATION NUMBER: US 60/536,639
; PRIOR FILING DATE: 2004-01-13
```

```

; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(17)
; OTHER INFORMATION: n is a, c, g or t
US-10-053-883-13

Query Match          66.7%; Score 12; DB 15; Length 27;
Best Local Similarity 91.7%; Pred. No. 1.3e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy      7  CUGGAGNNNNNN 18
         |:|||||
Db      23  CTGGAGNNNNNN 12

RESULT 137
US-09-935-338-192/c
; Sequence 192, Application US/09935338
; Publication No. US20030073081A1
; GENERAL INFORMATION:
; APPLICANT: MUKAI, Hiroyuki
; APPLICANT: SAGAWA, Hiroaki
; APPLICANT: UEMORI, Takashi
; APPLICANT: YAMAMOTO, Junko
; APPLICANT: TOMONO, Jun
; APPLICANT: KOBAYASHI, Eiji
; APPLICANT: ENOKI, Tatsuji
; APPLICANT: TAKEDA, Osamu
; APPLICANT: MIYAKE, Kazue
; APPLICANT: SATO, Yoshiomi
; APPLICANT: MORIYAMA, Mariko
; APPLICANT: SAWARAGI, Haruhisa
; APPLICANT: HAGIYA, Michio
; APPLICANT: KATO, Ikunoshin
; TITLE OF INVENTION: A method for amplification of nucleic acids
; FILE REFERENCE: MUKAI=1
; CURRENT APPLICATION NUMBER: US/09/935,338
; CURRENT FILING DATE: 2001-08-23
; PRIOR FILING DATE: 1999-03-19
; PRIOR APPLICATION NUMBER: JP11-076966
; PRIOR FILING DATE: 1999-03-19
; PRIOR APPLICATION NUMBER: JP11-370035
; PRIOR FILING DATE: 1999-12-27
; PRIOR APPLICATION NUMBER: JP2000-251981
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: JP2000-284419
; PRIOR FILING DATE: 2000-09-19
; PRIOR APPLICATION NUMBER: JP2000-288750
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: JP2001-104191
; PRIOR FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: PCT/JP00/01534
; NUMBER OF SEQ ID NOS: 290
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 192
; LENGTH: 30
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Designed oligonucleotide probe to detect a DNA fragment amplifying
; OTHER INFORMATION: portion of HCV.
US-09-935-338-192

Query Match          66.7%; Score 12; DB 10; Length 30;
Best Local Similarity 83.3%; Pred. No. 1.3e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      1  GGGGUCCUGGAG 12
         ||||:|:|
Db      30  GGGGTCTCGGAG 19

RESULT 138
US-10-169-371-71
; Sequence 71, Application US/10169371
; Publication No. US2003017529A1
; GENERAL INFORMATION:
; APPLICANT: VAN EIJK, Michael Josephus Theresia
; APPLICANT: HOGERS, Rene Cornelis Josephus
; APPLICANT: HEIJNEN, Leo
; TITLE OF INVENTION: Method for generating oligonucleotides, in particular for the
; TITLE OF INVENTION: detection of amplified restriction fragments obtained using AFLP
```

```

Db      30  GGGGTCTCGGAG 19

RESULT 138
US-10-929-759-192/c
; Sequence 192, Application US/10929759
; Publication No. US20050123950A1
; GENERAL INFORMATION:
; APPLICANT: MUKAI, Hiroyuki
; APPLICANT: SAGAWA, Hiroaki
; APPLICANT: UEMORI, Takashi
; APPLICANT: YAMAMOTO, Junko
; APPLICANT: TOMONO, Jun
; APPLICANT: KOBAYASHI, Eiji
; APPLICANT: ENOKI, Tatsuji
; APPLICANT: TAKEDA, Osamu
; APPLICANT: MIYAKE, Kazue
; APPLICANT: SATO, Yoshiomi
; APPLICANT: MORIYAMA, Mariko
; APPLICANT: SAWARAGI, Haruhisa
; APPLICANT: HAGIYA, Michio
; APPLICANT: ASADA, Kiyozo
; APPLICANT: KATO, Ikunoshin
; TITLE OF INVENTION: A method for amplification of nucleic acids
; FILE REFERENCE: MUKAI=1
; CURRENT APPLICATION NUMBER: US/10/929,759
; CURRENT FILING DATE: 2004-08-31
; PRIOR APPLICATION NUMBER: US/09/935,338
; PRIOR FILING DATE: 2001-08-23
; PRIOR APPLICATION NUMBER: JP11-076966
; PRIOR FILING DATE: 1999-03-19
; PRIOR APPLICATION NUMBER: JP11-370035
; PRIOR FILING DATE: 1999-12-27
; PRIOR APPLICATION NUMBER: JP2000-251981
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: JP2000-284419
; PRIOR FILING DATE: 2000-09-19
; PRIOR APPLICATION NUMBER: JP2000-288750
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: JP2001-104191
; PRIOR FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: PCT/JP00/01534
; PRIOR FILING DATE: 2000-03-14
; NUMBER OF SEQ ID NOS: 290
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 192
; LENGTH: 30
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Designed oligonucleotide probe to detect a DNA fragment amplifying
; OTHER INFORMATION: portion of HCV.
US-10-929-759-192

Query Match          66.7%; Score 12; DB 22; Length 30;
Best Local Similarity 83.3%; Pred. No. 1.3e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      1  GGGGUCCUGGAG 12
         ||||:|:|
Db      30  GGGGTCTCGGAG 19

RESULT 139
US-10-169-371-71
; Sequence 71, Application US/10169371
; Publication No. US2003017529A1
; GENERAL INFORMATION:
; APPLICANT: VAN EIJK, Michael Josephus Theresia
; APPLICANT: HOGERS, Rene Cornelis Josephus
; APPLICANT: HEIJNEN, Leo
; TITLE OF INVENTION: Method for generating oligonucleotides, in particular for the
; TITLE OF INVENTION: detection of amplified restriction fragments obtained using AFLP
```

FILE REFERENCE: VAN EIJK=2
CURRENT APPLICATION NUMBER: US/10/169,371
CURRENT FILING DATE: 2002-07-01
PRIOR APPLICATION NUMBER: EPC 99204614.4
PRIOR FILING DATE: 1999-12-29
PRIOR APPLICATION NUMBER: PCT/NL00/00963
PRIOR FILING DATE: 2000-12-28
NUMBER OF SEQ ID NOS: 95
SOFTWARE: PatentIn version 3.2
SEQ ID NO 71
LENGTH: 36
TYPE: DNA
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: synthetic
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)..(16)
OTHER INFORMATION: n is a, c, g, or t
FEATURE:
NAME/KEY: misc feature
LOCATION: (23)..(36)
OTHER INFORMATION: n is a, c, g, or t
US-10-169-371-71

Query Match 66.7%; Score 12; DB 16; Length 36;
Best Local Similarity 91.7%; Pred. No. 1.2e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 CUGGAGNNNNNN 18
|:|||||
Db 17 CTGGAGNNNNNN 28

RESULT 140

US-10-169-371-79
Sequence 79, Application US/10169371
Publication No. US20030175729A1
GENERAL INFORMATION:
APPLICANT: VAN EIJK, Michael Josephus Theresia
APPLICANT: HOGERS, Rene Cornelis Josephus
APPLICANT: HEIJNEN, Leo
TITLE OF INVENTION: Method for generating oligonucleotides, in particular for the
FILE REFERENCE: VAN EIJK=2
CURRENT APPLICATION NUMBER: US/10/169,371
CURRENT FILING DATE: 2002-07-01
PRIOR APPLICATION NUMBER: EPC 99204614.4
PRIOR FILING DATE: 1999-12-29
PRIOR APPLICATION NUMBER: PCT/NL00/00963
PRIOR FILING DATE: 2000-12-28
NUMBER OF SEQ ID NOS: 95
SOFTWARE: PatentIn version 3.2
SEQ ID NO 79
LENGTH: 36
TYPE: DNA
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: synthetic
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)..(16)
OTHER INFORMATION: n is a, c, g, or t
FEATURE:
NAME/KEY: misc feature
LOCATION: (23)..(36)
OTHER INFORMATION: n is a, c, g, or t
US-10-169-371-79

Query Match 66.7%; Score 12; DB 16; Length 36;
Best Local Similarity 91.7%; Pred. No. 1.2e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 CUGGAGNNNNNN 18
|:|||||
Db 17 CTGGAGNNNNNN 28

RESULT 141
US-10-291-230-48/c
Sequence 48, Application US/10291230
Publication No. US20030108939A1
GENERAL INFORMATION:
APPLICANT: Ruffner, Duane E.
APPLICANT: Pierce, Michael L.
APPLICANT: Chen, Zhidong
TITLE OF INVENTION: Directed Antisense Libraries
FILE REFERENCE: T6678 US.A
CURRENT APPLICATION NUMBER: US/10/291,230
CURRENT FILING DATE: 2002-11-07
PRIOR APPLICATION NUMBER: US 09/647,344
PRIOR FILING DATE: 2000-12-04
PRIOR APPLICATION NUMBER: PCT/US99/06742
PRIOR FILING DATE: 1999-03-28
PRIOR APPLICATION NUMBER: US 60/079,792
PRIOR FILING DATE: 1998-03-28
PRIOR APPLICATION NUMBER: US 60/107,504
PRIOR FILING DATE: 1998-11-06
NUMBER OF SEQ ID NOS: 50
SOFTWARE: PatentIn version 3.1
SEQ ID NO 48
LENGTH: 46
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Hammerhead ribozyme library with flanking sequences.
FEATURE:
NAME/KEY: misc feature
LOCATION: (6)..(12)
OTHER INFORMATION: The "n" in the sequence means a or g or c or t.
FEATURE:
NAME/KEY: misc feature
LOCATION: (35)..(40)
OTHER INFORMATION: The "n" in the sequence means a or g or c or t.
US-10-291-230-48

Query Match 66.7%; Score 12; DB 15; Length 46;
Best Local Similarity 91.7%; Pred. No. 1.2e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 CUGGAGNNNNNN 18
|:|||||
Db 46 CTGGAGNNNNNN 35

RESULT 142

US-10-291-249-48/c
Sequence 48, Application US/10291249
Publication No. US20030119041A1
GENERAL INFORMATION:
APPLICANT: Ruffner, Duane E.
APPLICANT: Pierce, Michael L.
APPLICANT: Chen, Zhidong
TITLE OF INVENTION: Directed Antisense Libraries
FILE REFERENCE: T6678 US.B
CURRENT APPLICATION NUMBER: US/10/291,249
CURRENT FILING DATE: 2002-11-07
PRIOR APPLICATION NUMBER: US 09/647,344
PRIOR FILING DATE: 2000-12-04
PRIOR APPLICATION NUMBER: PCT/US99/06742
PRIOR FILING DATE: 1999-03-28
PRIOR APPLICATION NUMBER: US 60/079,792
PRIOR FILING DATE: 1998-03-28
PRIOR APPLICATION NUMBER: US 60/107,504
PRIOR FILING DATE: 1998-11-06
NUMBER OF SEQ ID NOS: 50

```
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 48
; LENGTH: 46
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Hammerhead ribozyme library with flanking sequences.
; NAME/KEY: misc_feature
; LOCATION: (6)..(12)
; OTHER INFORMATION: The "n" in the sequence means a or g or c or t.
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (35)..(40)
; OTHER INFORMATION: The "n" in the sequence means a or g or c or t.
US-10-291-249-48

Query Match          66.7%; Score 12; DB 15; Length 46;
Best Local Similarity 91.7%; Pred. No. 1.2e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy      7  CUGGAGNNNNN 18
Db      46  CTGGAGNNNNN 35

RESULT 143
US-10-349-143-2597
; Sequence 2597, Application US/10349143
; Publication No. US200400055841
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CPI
; CURRENT APPLICATION NUMBER: US/10/349,143
; CURRENT FILING DATE: 2003-01-21
; PRIOR APPLICATION NUMBER: US/09/422,978
; PRIOR FILING DATE: 1999-10-20
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 2597
; LENGTH: 47
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 24
; OTHER INFORMATION: 99-1211-59 : polymorphic base C or T
US-10-349-143-2597

Query Match          66.7%; Score 12; DB 17; Length 47;
Best Local Similarity 83.3%; Pred. No. 1.2e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      1  GGGGUCCUGGAG 12
Db      25  GGGGTCCTGGAG 36

RESULT 144
US-10-156-306-7157
; Sequence 7157, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
```

```
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related
; TITLE OF INVENTION: Levels of IKK-Gamma and PKR
; FILE REFERENCE: MBHB01-664-A (400/050)
; CURRENT APPLICATION NUMBER: US/10/156,306
; CURRENT FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 8013
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7157
; LENGTH: 48
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Enzymatic Nucleic Acid
US-10-156-306-7157

Query Match          66.7%; Score 12; DB 15; Length 48;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1  GGGGUCCUGGAG 12
Db      1  GGGGUCCUGGAG 12

RESULT 145
US-10-322-138-6/c
; Sequence 6, Application US/10322138
; Publication No. US20030175765A1
; GENERAL INFORMATION:
; APPLICANT: Kessler, Christoph
; APPLICANT: Habershausen, Gerd
; APPLICANT: Bartl, Knut
; APPLICANT: Orum, Henrik
; TITLE OF INVENTION: SPECIFIC AND SENSITIVE METHOD FOR DETECTING NUCLEIC ACIDS
; FILE REFERENCE: 4817/OO
; CURRENT APPLICATION NUMBER: US/10/322,138
; CURRENT FILING DATE: 2002-12-17
; PRIOR APPLICATION NUMBER: US/09/530,746B
; PRIOR FILING DATE: 2000-11-16
; NUMBER OF SEQ ID NOS: 95
; SOFTWARE: PatentIn Version 3.1
; SEQ ID NO 6
; LENGTH: 48
; TYPE: DNA
; ORGANISM: HCV
US-10-322-138-6

Query Match          66.7%; Score 12; DB 16; Length 48;
Best Local Similarity 83.3%; Pred. No. 1.2e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      1  GGGGUCCUGGAG 12
Db      31  GGGGTCCTGGAG 20

RESULT 146
US-10-322-138-7/c
; Sequence 7, Application US/10322138
; Publication No. US20030175765A1
; GENERAL INFORMATION:
; APPLICANT: Kessler, Christoph
; APPLICANT: Habershausen, Gerd
; APPLICANT: Bartl, Knut
; APPLICANT: Orum, Henrik
; TITLE OF INVENTION: SPECIFIC AND SENSITIVE METHOD FOR DETECTING NUCLEIC ACIDS
; FILE REFERENCE: 4817/OO
; CURRENT APPLICATION NUMBER: US/10/322,138
; CURRENT FILING DATE: 2002-12-17
; PRIOR APPLICATION NUMBER: US/09/530,746B
; PRIOR FILING DATE: 2000-11-16
; NUMBER OF SEQ ID NOS: 95
; SOFTWARE: PatentIn Version 3.1
```

SEQ ID NO 7
LENGTH: 48
TYPE: DNA
ORGANISM: Homo sapiens
US-10-322-138-7

Query Match 66.7%; Score 12; DB 16; Length 48;
Best Local Similarity 83.3%; Pred. No. 1.2e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
|:|||||
DB 31 GGGGTCCTGGAG 20

RESULT 147

US-10-842-741B-1
; Sequence 1, Application US/10842741B
; Publication No. US20050164214A1
; GENERAL INFORMATION:
; APPLICANT: Pruitt, Steven et al
; TITLE OF INVENTION: Improved Methods For Protein Interaction Determination
; FILE REFERENCE: 03551.0157
; CURRENT APPLICATION NUMBER: US/10/842,741B
; CURRENT FILING DATE: 2004-05-10
; PRIOR APPLICATION NUMBER: US/60/469,342
; PRIOR FILING DATE: 2003-05-09
; NUMBER OF SEQ ID NOS: 23
; SEQ ID NO 1
; LENGTH: 48
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: n
; LOCATION: 43-48
; OTHER INFORMATION: n is g,a,t or c; pAct2 lox71 MAGE/6 Primer
US-10-842-741B-1

Query Match 66.7%; Score 12; DB 22; Length 48;
Best Local Similarity 91.7%; Pred. No. 1.2e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 CUGGAGNNNNN 18
|:|||||
DB 37 CTGGAGNNNNN 48

RESULT 148

US-10-842-741B-2
; Sequence 2, Application US/10842741B
; Publication No. US20050164214A1
; GENERAL INFORMATION:
; APPLICANT: Pruitt, Steven et al
; TITLE OF INVENTION: Improved Methods For Protein Interaction Determination
; FILE REFERENCE: 03551.0157
; CURRENT APPLICATION NUMBER: US/10/842,741B
; CURRENT FILING DATE: 2004-05-10
; PRIOR APPLICATION NUMBER: US/60/469,342
; PRIOR FILING DATE: 2003-05-09
; NUMBER OF SEQ ID NOS: 23
; SEQ ID NO 2
; LENGTH: 48
; TYPE: DNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: n
; LOCATION: 43-48
; OTHER INFORMATION: n is g,a,t or c; PCD2 lox66 MAGE/6 Primer
US-10-842-741B-2

Query Match 66.7%; Score 12; DB 22; Length 48;
Best Local Similarity 91.7%; Pred. No. 1.2e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 CUGGAGNNNNN 18
|:|||||
DB 37 CTGGAGNNNNN 48

RESULT 149

US-10-461-790-141/c
; Sequence 141, Application US/10461790
; Publication No. US20040029111A1
; GENERAL INFORMATION:
; APPLICANT: Linnen, Jeffery M.
; APPLICANT: Kolk, Daniel P.
; APPLICANT: Dockter, Janel M.
; APPLICANT: Getman, Damon K.
; APPLICANT: Yoshimura, Tadashi
; APPLICANT: Ho-Sing-Loy, Marcy
; APPLICANT: Stringfellow, Leslie A.
; TITLE OF INVENTION: Compositions and Methods for Detecting
; TITLE OF INVENTION: Hepatitis B Virus
; FILE REFERENCE: GPl34-02.UT
; CURRENT APPLICATION NUMBER: US/10/461,790
; CURRENT FILING DATE: 2003-06-13
; PRIOR APPLICATION NUMBER: 60/389,393
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 142
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 141
; LENGTH: 86
; TYPE: DNA
; ORGANISM: Hepatitis C Virus
US-10-461-790-141

Query Match 66.7%; Score 12; DB 17; Length 86;
Best Local Similarity 83.3%; Pred. No. 9.9e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
|:|||||
DB 32 GGGGTCCTGGAG 21

RESULT 150

US-10-029-386-15052
; Sequence 15052, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; TITLE OF INVENTION: EXPRESSION ANALYSIS TWO
; FILE REFERENCE: AEOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 15052
; LENGTH: 97
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC024195.2
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.99
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.6
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.1
; OTHER INFORMATION: EST_HUMAN HIT: AL538246.1, EVALUATE 1.80e+00
US-10-029-386-15052

Query Match 66.7%; Score 12; DB 16; Length 97;
Best Local Similarity 83.3%; Pred. No. 9.6e+02;

```
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GGGGUCCUGGAG 12
    ||||:||||
Db 78 GGGGTCTGGAG 89

RESULT 151
US-10-029-386-14059/c
; Sequence 14059, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G
; TITLE OF INVENTION: EXPRESSION ANALYSIS TWO
; FILE REFERENCE: AEOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 14059
; LENGTH: 124
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL136366.3
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 2
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.3
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.2
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 2.1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.6
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.6
; OTHER INFORMATION: NT HIT: gi15303560, EVALUE 1.60e+00
; OTHER INFORMATION: EST HUMAN HIT: W90458.1, EVALUE 1.50e-01
; OTHER INFORMATION: SWISSPROT HIT: O15529, EVALUE 2.30e-01
US-10-029-386-14059

Query Match 66.7%; Score 12; DB 16; Length 124;
Best Local Similarity 83.3%; Pred. No. 9.1e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GGGGUCCUGGAG 12
    ||||:||||
Db 34 GGGGTCTGGAG 23

RESULT 152
US-10-029-386-15594
; Sequence 15594, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G
; TITLE OF INVENTION: EXPRESSION ANALYSIS TWO
; FILE REFERENCE: AEOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 15594
; LENGTH: 138
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO CHR19.1
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 0.83
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.6
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 0.98
```

```
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.6
; OTHER INFORMATION: SWISSPROT HIT: Q9ZSR6, EVALUE 5.20e-01
; OTHER INFORMATION: NT HIT: gi14786907, EVALUE 3.00e-67
; OTHER INFORMATION: EST_HUMAN HIT: BG479422.1, EVALUE 4.00e-67
US-10-029-386-15594

Query Match 66.7%; Score 12; DB 16; Length 138;
Best Local Similarity 83.3%; Pred. No. 8.8e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GGGGUCCUGGAG 12
    ||||:||||
Db 113 GGGGTCTGGAG 124

RESULT 153
US-10-425-115-1205
; Sequence 1205, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 1205
; LENGTH: 168
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MMT4577_101098C.1
US-10-425-115-1205

Query Match 66.7%; Score 12; DB 20; Length 168;
Best Local Similarity 83.3%; Pred. No. 8.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GGGGUCCUGGAG 12
    ||||:||||
Db 133 GGGGTCTGGAG 144

RESULT 154
US-10-424-599-115511
; Sequence 115511, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J
; APPLICANT: Kovalic, David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 115511
; LENGTH: 175
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_75317C.1
US-10-424-599-115511

Query Match 66.7%; Score 12; DB 18; Length 175;
Best Local Similarity 83.3%; Pred. No. 8.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

QY 1 GGGGUCCUGGAG 12
||||:|:|
Db 140 GGGGTCCTGGAG 151

RESULT 155

US-09-294-121A-61/c
; Sequence 61, Application US/09294121A
; Patent No. US20020069422A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/294,121A
; FILING DATE:

CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993

PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410,004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002

INFORMATION FOR SEQ ID NO: 61:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: be82 (also referred to as be99)
; POSITION IN GENOME:
; MAP POSITION: 5', untranslated region
US-09-294-121A-61

Query Match 66.7%; Score 12; DB 9; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
||||:|:|
Db 26 GGGGTCCTGGAG 15

RESULT 156

US-09-294-121A-67/c
; Sequence 67, Application US/09294121A
; Patent No. US20020069422A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/294,121A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410,004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 67:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: 9b48
; POSITION IN GENOME:
; MAP POSITION: 5', untranslated region
US-09-294-121A-67

Query Match 66.7%; Score 12; DB 9; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
||||:|:|
Db 26 GGGGTCCTGGAG 15

RESULT 157

US-09-294-121A-68/c
; Sequence 68, Application US/09294121A
; Patent No. US20020069422A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV

;; TITLE OF INVENTION: ISOLATES
;; NUMBER OF SEQUENCES: 97
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: BIERMAN & MUSERLIAN
;; STREET: 600 THIRD AVENUE
;; CITY: NEW YORK
;; STATE: NEW YORK
;; COUNTRY: USA
;; ZIP: 10016
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: ASCII
;;
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/294,121A
;; FILING DATE:
;; CLASSIFICATION:
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/256,568
;; FILING DATE: 18-JUL-1994
;; APPLICATION NUMBER: PCT/EP93/03325
;; FILING DATE: 26-NOV-1993
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: EP/93/402,129.6
;; FILING DATE: 31-AUG-1993
;; APPLICATION DATA:
;; APPLICATION NUMBER: EP/92/403,222.0
;; FILING DATE: 27-NOV-1992
;; ATTORNEY/AGENT INFORMATION:
;; NAME: CHARLES A. MUSERLIAN
;; REGISTRATION NUMBER: 19,683
;; REFERENCE/DOCKET NUMBER: 410.004
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (212) 661-8000
;; TELEFAX: (212) 661-8002
;; INFORMATION FOR SEQ ID NO: 68:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 177 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: cDNA
;; IMMEDIATE SOURCE:
;; CLONE: gb116
;; POSITION IN GENOME:
;; MAP POSITION: 5' untranslated region
US-09-294-121A-68

Query Match 66.7%; Score 12; DB 9; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
|||:|:|:|
Db 26 GGGGTCTGGAG 15

RESULT 158
US-09-294-121A-69/c
;; Sequence 69, Application US/09294121A
;; Patent No. US20020069422A1
;; GENERAL INFORMATION:
;; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
;; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
;; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
;; TITLE OF INVENTION: ISOLATES
;; NUMBER OF SEQUENCES: 97
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: BIERMAN & MUSERLIAN
;; STREET: 600 THIRD AVENUE
;; CITY: NEW YORK
;; STATE: NEW YORK

;; COUNTRY: USA
;; ZIP: 10016
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: ASCII
;;
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/294,121A
;; FILING DATE:
;; CLASSIFICATION:
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/256,568
;; FILING DATE: 18-JUL-1994
;; APPLICATION NUMBER: PCT/EP93/03325
;; FILING DATE: 26-NOV-1993
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: EP/93/402,129.6
;; FILING DATE: 31-AUG-1993
;; APPLICATION DATA:
;; APPLICATION NUMBER: EP/92/403,222.0
;; FILING DATE: 27-NOV-1992
;; ATTORNEY/AGENT INFORMATION:
;; NAME: CHARLES A. MUSERLIAN
;; REGISTRATION NUMBER: 19,683
;; REFERENCE/DOCKET NUMBER: 410.004
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (212) 661-8000
;; TELEFAX: (212) 661-8002
;; INFORMATION FOR SEQ ID NO: 69:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 177 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: cDNA
;; IMMEDIATE SOURCE:
;; CLONE: gb369
;; POSITION IN GENOME:
;; MAP POSITION: 5' untranslated region
US-09-294-121A-69

Query Match 66.7%; Score 12; DB 9; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
|||:|:|:|
Db 26 GGGGTCTGGAG 15

RESULT 159
US-09-294-121A-70/c
;; Sequence 70, Application US/09294121A
;; Patent No. US20020069422A1
;; GENERAL INFORMATION:
;; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
;; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
;; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
;; TITLE OF INVENTION: ISOLATES
;; NUMBER OF SEQUENCES: 97
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: BIERMAN & MUSERLIAN
;; STREET: 600 THIRD AVENUE
;; CITY: NEW YORK
;; STATE: NEW YORK
;; COUNTRY: USA
;; ZIP: 10016
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: ASCII

;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/294,121A
;; FILING DATE: 18-JUL-1994
;; CLASSIFICATION:
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/256,568
;; FILING DATE: 18-JUL-1994
;; APPLICATION NUMBER: PCT/EP93/03325
;; FILING DATE: 26-NOV-1993
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: EP/93/402,129.6
;; FILING DATE: 31-AUG-1993
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: EP/92/403,222.0
;; FILING DATE: 27-NOV-1992
;; ATTORNEY/AGENT INFORMATION:
;; NAME: CHARLES A. MUSERLIAN
;; REGISTRATION NUMBER: 19,683
;; REFERENCE/DOCKET NUMBER: 410.004
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (212) 661-8000
;; TELEFAX: (212) 661-8002
;; INFORMATION FOR SEQ ID NO: 70:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 177 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: cDNA
;; IMMEDIATE SOURCE:
;; CLONE: gb358
;; POSITION IN GENOME:
;; MAP POSITION: 5' untranslated region
US-09-294-121A-70

Query Match 66.7%; Score 12; DB 9; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
|||:|:|:|
DB 26 GGGGTCTGGAG 15

RESULT 160
US-09-294-121A-72/c
; Sequence 72, Application US/09294121A
; Patent No. US20020069422A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/294,121A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994

;; APPLICATION NUMBER: PCT/EP93/03325
;; FILING DATE: 26-NOV-1993
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: EP/93/402,129.6
;; FILING DATE: 31-AUG-1993
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: EP/92/403,222.0
;; FILING DATE: 27-NOV-1992
;; ATTORNEY/AGENT INFORMATION:
;; NAME: CHARLES A. MUSERLIAN
;; REGISTRATION NUMBER: 19,683
;; REFERENCE/DOCKET NUMBER: 410.004
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (212) 661-8000
;; TELEFAX: (212) 661-8002
;; INFORMATION FOR SEQ ID NO: 72:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 177 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: cDNA
;; IMMEDIATE SOURCE:
;; CLONE: cam600
;; POSITION IN GENOME:
;; MAP POSITION: 5' untranslated region
US-09-294-121A-72

Query Match 66.7%; Score 12; DB 9; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
|||:|:|:|
DB 26 GGGGTCTGGAG 15

RESULT 161
US-09-294-121A-73/c
; Sequence 73, Application US/09294121A
; Patent No. US20020069422A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/294,121A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/92/403,222.0

```
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 73:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: cam736
; MAP POSITION: 5', untranslated region
;
US-09-294-121A-73
Query Match 66.7%; Score 12; DB 9; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 GGGGUCCUGGAG 12
Db 26 GGGGTCTGGAG 15
||||:|||||
```

RESULT 162

```
US-09-294-121A-74/c
; Sequence 74, Application US/09294121A
; Patent No. US20020069422A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/294,121A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
```

```
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 74:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: gb809
; POSITION IN GENOME:
; MAP POSITION: 5', untranslated region
;
US-09-294-121A-74
```

```
Query Match 66.7%; Score 12; DB 9; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 26 GGGGTCTGGAG 15
||||:|||||
```

RESULT 163

```
US-09-294-121A-75/c
; Sequence 75, Application US/09294121A
; Patent No. US20020069422A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/294,121A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 75:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
```

MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
CLONE: qb487
POSITION IN GENOME:
MAP POSITION: 5' untranslated region
US-09-294-121A-75

Query Match 66.7%; Score 12; DB 9; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 26 GGGGTCCTGGAG 15
||||:|||||

RESULT 164

US-09-294-121A-76/c
Sequence 76, Application US/09294121A
Patent No. US20020069422A1

GENERAL INFORMATION:
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
TITLE OF INVENTION: ISOLATES
NUMBER OF SEQUENCES: 97
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIERMAN & MUSERLIAN
STREET: 600 THIRD AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10016

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/294,121A
FILING DATE:

CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/256,568
FILING DATE: 18-JUL-1994
APPLICATION NUMBER: PCT/EP93/03325
FILING DATE: 26-NOV-1993

PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 31-AUG-1993
APPLICATION NUMBER: EP/92/403,222.0
FILING DATE: 27-NOV-1992

ATTORNEY/AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 410,004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 661-8000
TELEFAX: (212) 661-8002

INFORMATION FOR SEQ ID NO: 76:
SEQUENCE CHARACTERISTICS:
LENGTH: 177 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
CLONE: qb724
POSITION IN GENOME:
MAP POSITION: 5' untranslated region
US-09-294-121A-76

Query Match 66.7%; Score 12; DB 9; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 26 GGGGTCCTGGAG 15
||||:|||||

RESULT 165

US-09-294-121A-77/c
Sequence 77, Application US/09294121A
Patent No. US20020069422A1

GENERAL INFORMATION:
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
TITLE OF INVENTION: ISOLATES
NUMBER OF SEQUENCES: 97
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIERMAN & MUSERLIAN
STREET: 600 THIRD AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10016

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/294,121A
FILING DATE:

CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/256,568
FILING DATE: 18-JUL-1994
APPLICATION NUMBER: PCT/EP93/03325
FILING DATE: 26-NOV-1993

PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 31-AUG-1993
APPLICATION NUMBER: EP/92/403,222.0
FILING DATE: 27-NOV-1992

ATTORNEY/AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 410,004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 661-8000
TELEFAX: (212) 661-8002

INFORMATION FOR SEQ ID NO: 77:
SEQUENCE CHARACTERISTICS:
LENGTH: 177 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
LIBRARY: be97
POSITION IN GENOME:
MAP POSITION: 5' untranslated region
US-09-294-121A-77

Query Match 66.7%; Score 12; DB 9; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 26 GGGGTCCTGGAG 15
||||:|||||

```

RESULT 166
US-09-294-121A-78/c
; Sequence 78, Application US/09294121A
; Patent No. US20020069422A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/294,121A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 78:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: be95
; POSITION IN GENOME:
; MAP POSITION: 5', untranslated region
; US-09-294-121A-78
Query Match 66.7%; Score 12; DB 9; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
    ||||:|||||
DB 26 GGGGTCCTGGAG 15

RESULT 167
US-09-294-121A-79/c
; Sequence 79, Application US/09294121A
; Patent No. US20020069422A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/294,121A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 78:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: be95
; POSITION IN GENOME:
; MAP POSITION: 5', untranslated region
; US-09-294-121A-78
Query Match 66.7%; Score 12; DB 9; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
    ||||:|||||
DB 26 GGGGTCCTGGAG 15

RESULT 168
US-09-294-121A-80/c
; Sequence 80, Application US/09294121A
; Patent No. US20020069422A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN

```

STREET: 600 THIRD AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10016
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/294,121A
FILING DATE: 06-JUL-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/256,568
FILING DATE: 18-JUL-1994
APPLICATION NUMBER: PCT/EP93/03325
FILING DATE: 26-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 31-AUG-1993
APPLICATION NUMBER: EP/92/403,222.0
FILING DATE: 27-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 410.004
TELEPHONE: (212) 661-8000
TELEFAX: (212) 661-8002
INFORMATION FOR SEQ ID NO: 80:
SEQUENCE CHARACTERISTICS:
LENGTH: 177 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
CLONE: be98
POSITION IN GENOME:
MAP POSITION: 5', untranslated region
US-09-294-121A-80

Query Match 66.7%; Score 12; DB 9; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
| | | | | | | | | |
Db 26 GGGGTCCTGGAG 15

RESULT 169
US-09-899-082A-61/c
Sequence 61, Application US/09899082A
Patent No. US20020106638A1
GENERAL INFORMATION:
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
ISOLATES
NUMBER OF SEQUENCES: 97
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIERMAN & MUSERLIAN
STREET: 600 THIRD AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10016
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/899,082A
FILING DATE: 06-JUL-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/378,900
FILING DATE: <Unknown>
APPLICATION NUMBER: 08/256,568
FILING DATE: 18-JUL-1994
APPLICATION NUMBER: PCT/EP93/03325
FILING DATE: 26-NOV-1993
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 31-AUG-1993
APPLICATION NUMBER: EP/92/403,222.0
FILING DATE: 27-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 410.004
TELEPHONE: (212) 661-8000
TELEFAX: (212) 661-8002
INFORMATION FOR SEQ ID NO: 61:
SEQUENCE CHARACTERISTICS:
LENGTH: 177 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
CLONE: be82 (also referred to as be99)
POSITION IN GENOME:
MAP POSITION: 5', untranslated region
SEQUENCE DESCRIPTION: SEQ ID NO: 61:
US-09-899-082A-61

Query Match 66.7%; Score 12; DB 9; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
| | | | | | | | | |
Db 26 GGGGTCCTGGAG 15

RESULT 170
US-09-899-082A-67/c
Sequence 67, Application US/09899082A
Patent No. US20020106638A1
GENERAL INFORMATION:
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
ISOLATES
NUMBER OF SEQUENCES: 97
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIERMAN & MUSERLIAN
STREET: 600 THIRD AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10016
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/899,082A
FILING DATE: 06-JUL-2001

```
;
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/378,900
; FILING DATE: <Unknown>
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 67:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: 9b48
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
; SEQUENCE DESCRIPTION: SEQ ID NO: 67:
;
; US-09-899-082A-67
;
; Query Match 66.7%; Score 12; DB 9; Length 177;
; Best Local Similarity 83.3%; Pred. No. 8.3e+02;
; Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
;
; Qy 1 GGGGUCCUGGAG 12
; Db 26 GGGGTCCTGGAG 15
;
; RESULT 171
; US-09-899-082A-68/c
; Sequence 68, Application US/09899082A
; Patent No. US20020106638A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/899,082A
; FILING DATE: 06-Jul-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/378,900
; FILING DATE: 26-Jul-1994
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
```

```
;
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 68:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: gb116
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
; SEQUENCE DESCRIPTION: SEQ ID NO: 68:
;
; US-09-899-082A-68
;
; Query Match 66.7%; Score 12; DB 9; Length 177;
; Best Local Similarity 83.3%; Pred. No. 8.3e+02;
; Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
;
; Qy 1 GGGGUCCUGGAG 12
; Db 26 GGGGTCCTGGAG 15
;
; RESULT 172
; US-09-899-082A-69/c
; Sequence 69, Application US/09899082A
; Patent No. US20020106638A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/899,082A
; FILING DATE: 06-Jul-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/378,900
; FILING DATE: 26-Jul-1994
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
```

Query Match	66.7%	Score 12;	DB 9;	Length 177;	Best Local Similarity	83.3%;	Pred No. 8.3e+02;	Mismatches	0;	Indels	0;	Gaps	0;
Matches	10;	Conservative	2;	Mismatches	0;	Indels	0;	Gaps	0;				
Qy	1	GGGGUCCUGGAG	12										
Db	26	GGGGTCTCTGGAG	15										
<p>RESULT 173</p> <p>US-09-899-082A-70/c</p> <p>; Sequence 70, Application US/09899082A</p> <p>; Patent No. US20020106638A1</p> <p>; GENERAL INFORMATION:</p> <p>; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;</p> <p>; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV ISOLATES</p> <p>; NUMBER OF SEQUENCES: 97</p> <p>; CORRESPONDENCE ADDRESS:</p> <p>; ADDRESSEE: BIERMAN & MUSERLIAN</p> <p>; STREET: 600 THIRD AVENUE</p> <p>; CITY: NEW YORK</p> <p>; STATE: NEW YORK</p> <p>; COUNTRY: USA</p> <p>; ZIP: 10016</p> <p>; COMPUTER READABLE FORM:</p> <p>; MEDIUM TYPE: Floppy disk</p> <p>; COMPUTER: IBM PC compatible</p> <p>; OPERATING SYSTEM: PC-DOS/MS-DOS</p> <p>; SOFTWARE: ASCII</p> <p>; CURRENT APPLICATION DATA:</p> <p>; APPLICATION NUMBER: US/09/899,082A</p> <p>; FILING DATE: 06-Jul-2001</p> <p>; CLASSIFICATION: <Unknown></p> <p>; PRIOR APPLICATION DATA:</p> <p>; APPLICATION NUMBER: US/09/378,900</p> <p>; FILING DATE: <Unknown></p> <p>; APPLICATION NUMBER: 08/256,568</p> <p>; FILING DATE: 18-JUL-1994</p> <p>; APPLICATION NUMBER: PCT/EP93/03325</p> <p>; FILING DATE: 26-NOV-1993</p> <p>; APPLICATION NUMBER: EP/93/402,129.6</p> <p>; FILING DATE: 31-AUG-1993</p> <p>; APPLICATION NUMBER: EP/92/403,222.0</p> <p>; FILING DATE: 27-NOV-1992</p> <p>; ATTORNEY/AGENT INFORMATION:</p> <p>; NAME: CHARLES A. MUSERLIAN</p> <p>; REGISTRATION NUMBER: 19,683</p> <p>; REFERENCE/DOCKET NUMBER: 410.004</p> <p>; TELECOMMUNICATION INFORMATION:</p> <p>; TELEPHONE: (212) 661-8000</p> <p>; TELEFAX: (212) 661-8002</p> <p>; INFORMATION FOR SEQ ID NO: 72:</p> <p>; SEQUENCE CHARACTERISTICS:</p> <p>; LENGTH: 177 base pairs</p> <p>; TYPE: nucleic acid</p> <p>; STRANDEDNESS: single</p>													

```
;
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: cam600
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
; SEQUENCE DESCRIPTION: SEQ ID NO: 72:
US-09-899-082A-72
Query Match 66.7%; Score 12; DB 9; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 26 GGGGTCTGGAG 15

RESULT 175
US-09-899-082A-73/c
; Sequence 73, Application US/09899082A
; Patent No. US20020106638A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/378,900
; FILING DATE: 18-JUL-1994
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/378,900
; FILING DATE: <Unknown>
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 73:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: cam736
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
; SEQUENCE DESCRIPTION: SEQ ID NO: 73:
US-09-899-082A-73
Query Match 66.7%; Score 12; DB 9; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 26 GGGGTCTGGAG 15

RESULT 176
US-09-899-082A-74/c
; Sequence 74, Application US/09899082A
; Patent No. US20020106638A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/378,900
; FILING DATE: 18-JUL-1994
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/378,900
; FILING DATE: <Unknown>
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 74:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: 9b809
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
; SEQUENCE DESCRIPTION: SEQ ID NO: 74:
US-09-899-082A-74
Query Match 66.7%; Score 12; DB 9; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```


QY 1 GGGGUCCUGGAG 12
||||:|:|
Db 26 GGGGTCCTGGAG 15

RESULT 177

US-09-899-082A-75/c
; Sequence 75, Application US/09899082A
; Patent No. US20020106638A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/899,082A
; FILING DATE: 06-Jul-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/378,900
; FILING DATE: <Unknown>
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992

ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002

SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: 9d487
; POSITION IN GENOME:
; MAP POSITION: 5', untranslated region
; SEQUENCE DESCRIPTION: SEQ ID NO: 75:
US-09-899-082A-75

Query Match 66.7%; Score 12; DB 9; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
||||:|:|
Db 26 GGGGTCCTGGAG 15

RESULT 178

US-09-899-082A-76/c
; Sequence 76, Application US/09899082A
; Patent No. US20020106638A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/899,082A
; FILING DATE: 06-Jul-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/378,900
; FILING DATE: <Unknown>
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992

ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002

SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: 9b724
; POSITION IN GENOME:
; MAP POSITION: 5', untranslated region
; SEQUENCE DESCRIPTION: SEQ ID NO: 76:
US-09-899-082A-76

Query Match 66.7%; Score 12; DB 9; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
||||:|:|
Db 26 GGGGTCCTGGAG 15

RESULT 179

US-09-899-082A-77/c
; Sequence 77, Application US/09899082A
; Patent No. US20020106638A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;

ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
ISOLATES
NUMBER OF SEQUENCES: 97
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIERMAN & MUSERLIAN
STREET: 600 THIRD AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10016
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/899,082A
FILING DATE: 06-Jul-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/378,900
FILING DATE: <Unknown>
APPLICATION NUMBER: 08/256,568
FILING DATE: 18-JUL-1994
APPLICATION NUMBER: PCT/EP93/03325
FILING DATE: 26-NOV-1993
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 31-AUG-1993
APPLICATION NUMBER: EP/92/403,222.0
FILING DATE: 27-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 410.004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 661-8000
TELEFAX: (212) 661-8002
INFORMATION FOR SEQ ID NO: 77:
SEQUENCE CHARACTERISTICS:
LENGTH: 177 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
LIBRARY: be97
POSITION IN GENOME:
MAP POSITION: 5' untranslated region
SEQUENCE DESCRIPTION: SEQ ID NO: 77:

US-09-899-082A-77
Query Match 66.7%; Score 12; DB 9; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 26 GGGGTCCTGGAG 15
||||:|||||

RESULT 180
US-09-899-082A-78/c
; Sequence 78, Application US/09899082A
; Patent No. US20020106638A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN

STREET: 600 THIRD AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10016
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/899,082A
FILING DATE: 06-Jul-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/378,900
FILING DATE: <Unknown>
APPLICATION NUMBER: 08/256,568
FILING DATE: 18-JUL-1994
APPLICATION NUMBER: PCT/EP93/03325
FILING DATE: 26-NOV-1993
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 31-AUG-1993
APPLICATION NUMBER: EP/92/403,222.0
FILING DATE: 27-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 410.004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 661-8000
TELEFAX: (212) 661-8002
INFORMATION FOR SEQ ID NO: 78:
SEQUENCE CHARACTERISTICS:
LENGTH: 177 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
CLONE: be95
POSITION IN GENOME:
MAP POSITION: 5' untranslated region
SEQUENCE DESCRIPTION: SEQ ID NO: 78:

US-09-899-082A-78
Query Match 66.7%; Score 12; DB 9; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 26 GGGGTCCTGGAG 15
||||:|||||

RESULT 181
US-09-899-082A-79/c
; Sequence 79, Application US/09899082A
; Patent No. US20020106638A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:

;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: ASCII
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/899,082A
;; FILING DATE: 06-Jul-2001
;; CLASSIFICATION: <Unknown>
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US/09/378,900
;; FILING DATE: <Unknown>
;; APPLICATION NUMBER: 08/256,568
;; FILING DATE: 18-JUL-1994
;; APPLICATION NUMBER: PCT/EP93/03325
;; FILING DATE: 26-NOV-1993
;; APPLICATION NUMBER: EP/93/402,129.6
;; FILING DATE: 31-AUG-1993
;; APPLICATION NUMBER: EP/92/403,222.0
;; FILING DATE: 27-NOV-1992
;; ATTORNEY/AGENT INFORMATION:
;; NAME: CHARLES A. MUSERLIAN
;; REGISTRATION NUMBER: 19,683
;; REFERENCE/DOCKET NUMBER: 410.004
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (212) 661-8000
;; TELEFAX: (212) 661-8002
;; INFORMATION FOR SEQ ID NO: 79:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 177 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: cDNA
;; IMMEDIATE SOURCE:
;; CLONE: be96
;; POSITION IN GENOME:
;; MAP POSITION: 5' untranslated region
;; SEQUENCE DESCRIPTION: SEQ ID NO: 79:
US-09-899-082A-79

Query Match 66.7%; Score 12; DB 9; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
|||||:|||||
Db 26 GGGGTCCTGGAG 15

RESULT 182
US-09-899-082A-80/c
; Sequence 80, Application US/09899082A
; Patent No. US20020106638A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/899,082A

;; FILING DATE: 06-Jul-2001
;; CLASSIFICATION: <Unknown>
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US/09/378,900
;; FILING DATE: <Unknown>
;; APPLICATION NUMBER: 08/256,568
;; FILING DATE: 18-JUL-1994
;; APPLICATION NUMBER: PCT/EP93/03325
;; FILING DATE: 26-NOV-1993
;; APPLICATION NUMBER: EP/93/402,129.6
;; FILING DATE: 31-AUG-1993
;; APPLICATION NUMBER: EP/92/403,222.0
;; FILING DATE: 27-NOV-1992
;; ATTORNEY/AGENT INFORMATION:
;; NAME: CHARLES A. MUSERLIAN
;; REGISTRATION NUMBER: 19,683
;; REFERENCE/DOCKET NUMBER: 410.004
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (212) 661-8000
;; TELEFAX: (212) 661-8002
;; INFORMATION FOR SEQ ID NO: 80:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 177 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: cDNA
;; IMMEDIATE SOURCE:
;; CLONE: be98
;; POSITION IN GENOME:
;; MAP POSITION: 5' untranslated region
;; SEQUENCE DESCRIPTION: SEQ ID NO: 80:
US-09-899-082A-80

Query Match 66.7%; Score 12; DB 9; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
|||||:|||||
Db 26 GGGGTCCTGGAG 15

RESULT 183
US-09-899-302-61/c
; Sequence 61, Application US/09899302
; Patent No. US20020168626A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/899,302
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/378,900
; FILING DATE:
; APPLICATION NUMBER: 08/256,568

```
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 61:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; IMMEDIATE SOURCE:
; CLONE: be82 (also referred to as be99)
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
US-09-899-302-61

Query Match 66.7%; Score 12; DB 9; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 GGGGUCCUGGAG 12
Db 26 GGGGTCCTGGAG 15
```

RESULT 184

```
US-09-899-302-67/c
; Sequence 67, Application US/09899302
; Patent No. US20020168626A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/899,302
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/378,900
; FILING DATE:
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
```

```
; FILING DATE: 31-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 67:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; IMMEDIATE SOURCE:
; CLONE: gb48
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
US-09-899-302-67
```

```
Query Match 66.7%; Score 12; DB 9; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 GGGGUCCUGGAG 12
Db 26 GGGGTCCTGGAG 15
```

RESULT 185

```
US-09-899-302-68/c
; Sequence 68, Application US/09899302
; Patent No. US20020168626A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/899,302
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/378,900
; FILING DATE:
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
```

NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 410.004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 661-8000
TELEFAX: (212) 661-8002
INFORMATION FOR SEQ ID NO: 68:
SEQUENCE CHARACTERISTICS:
LENGTH: 177 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cdna
IMMEDIATE SOURCE:
CLONE: gb116
POSITION IN GENOME:
MAP POSITION: 5' untranslated region
US-09-899-302-68

Query Match 66.7%; Score 12; DB 9; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
||||:||||
Db 26 GGGGTCCTGGAG 15

RESULT 186

US-09-899-302-69/c
Sequence 69, Application US/098999302
Patent No. US20020168626A1
GENERAL INFORMATION:
APPLICANT: MAERTENS, GERT; STUYVER, LIEVEN;
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
TITLE OF INVENTION: ISOLATES
NUMBER OF SEQUENCES: 97
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIERMAN & MUSERLIAN
STREET: 600 THIRD AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10016
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/899,302
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/378,900
FILING DATE:
FILING DATE:
APPLICATION NUMBER: 08/256,568
FILING DATE: 18-JUL-1994
APPLICATION NUMBER: PCT/EP93/03325
FILING DATE: 26-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 31-AUG-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/92/403,222.0
FILING DATE: 27-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 410.004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 661-8000

TELEFAX: (212) 661-8002
INFORMATION FOR SEQ ID NO: 69:
SEQUENCE CHARACTERISTICS:
LENGTH: 177 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cdna
IMMEDIATE SOURCE:
CLONE: gb569
POSITION IN GENOME:
MAP POSITION: 5' untranslated region
US-09-899-302-69

Query Match 66.7%; Score 12; DB 9; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
||||:||||
Db 26 GGGGTCCTGGAG 15

RESULT 187

US-09-899-302-70/c
Sequence 70, Application US/098999302
Patent No. US20020168626A1
GENERAL INFORMATION:
APPLICANT: MAERTENS, GERT; STUYVER, LIEVEN;
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
TITLE OF INVENTION: ISOLATES
NUMBER OF SEQUENCES: 97
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIERMAN & MUSERLIAN
STREET: 600 THIRD AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10016
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/899,302
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/378,900
FILING DATE:
FILING DATE:
APPLICATION NUMBER: 08/256,568
FILING DATE: 18-JUL-1994
APPLICATION NUMBER: PCT/EP93/03325
FILING DATE: 26-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 31-AUG-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/92/403,222.0
FILING DATE: 27-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 410.004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 661-8000
TELEFAX: (212) 661-8002
INFORMATION FOR SEQ ID NO: 70:
SEQUENCE CHARACTERISTICS:
LENGTH: 177 base pairs
TYPE: nucleic acid

```
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: gb358
; POSITION IN GENOME:
; MAP POSITION: 5', untranslated region
US-09-899-302-70
Query Match 66.7%; Score 12; DB 9; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 26 GGGGTCTGGAG 15

RESULT 188
US-09-899-302-72/c
; Sequence 72, Application US/09899302
; Patent No. US20020168626A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/899,302
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/378,900
; FILING DATE:
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 72:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: cam600
```

```
; POSITION IN GENOME:
; MAP POSITION: 5', untranslated region
US-09-899-302-72
Query Match 66.7%; Score 12; DB 9; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 26 GGGGTCTGGAG 15

RESULT 189
US-09-899-302-73/c
; Sequence 73, Application US/09899302
; Patent No. US20020168626A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/899,302
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/378,900
; FILING DATE:
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 73:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: cam736
; POSITION IN GENOME:
; MAP POSITION: 5', untranslated region
US-09-899-302-73
Query Match 66.7%; Score 12; DB 9; Length 177;
```

Best Local Similarity 83.3%; Pred. No. 8.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 26 GGGGTCTGGAG 15

RESULT 190

US-09-899-302-74/c
; Sequence 74, Application US/09899302
; Patent No. US20020168626A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/899,302
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/378,900
; FILING DATE:
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410,004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 74:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: gb809
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region

US-09-899-302-74

Query Match 66.7%; Score 12; DB 9; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 26 GGGGTCTGGAG 15

Db 26 GGGGTCTGGAG 15

RESULT 191

US-09-899-302-75/c
; Sequence 75, Application US/09899302
; Patent No. US20020168626A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/899,302
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/378,900
; FILING DATE:
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410,004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 75:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: gb487
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region

US-09-899-302-75

Query Match 66.7%; Score 12; DB 9; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 26 GGGGTCTGGAG 15

RESULT 192
US-09-899-302-76/c

```

; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/899,302
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/378,900
; FILING DATE:
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 77:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; LIBRARY: be97
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
;
US-09-899-302-77
;
Query Match 66.7%; Score 12; DB 9; Length 177;
Best Local Similarity 83.3%; Pred. NO. 8.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 26 GGGGTCCTGGAG 15
||||:|||||
|

RESULT 194
US-09-899-302-78/c
; Sequence 78, Application US/09899302
; Patent No. US20020168626A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN

```


STREET: 600 THIRD AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10016
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/899,302
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/378,900
FILING DATE:
CLASSIFICATION:
APPLICATION NUMBER: 08/256,568
FILING DATE: 18-JUL-1994
APPLICATION NUMBER: PCT/EP93/03325
FILING DATE: 26-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 31-AUG-1993
APPLICATION NUMBER: EP/92/403,222.0
FILING DATE: 27-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 410.004
TELEPHONE: (212) 661-8000
TELEFAX: (212) 661-8002
INFORMATION FOR SEQ ID NO: 78:
SEQUENCE CHARACTERISTICS:
LENGTH: 177 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
CLONE: be95
POSITION IN GENOME:
MAP POSITION: 5' untranslated region
US-09-899-302-78

Query Match 66.7%; Score 12; DB 9; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 26 GGGGTCCTGGAG 15
||||:||||

RESULT 195
US-09-899-302-79/c
Sequence 79, Application US/09899302
Patent No. US20020168626A1
GENERAL INFORMATION:
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
TITLE OF INVENTION: ISOLATES
NUMBER OF SEQUENCES: 97
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIERMAN & MUSERLIAN
STREET: 600 THIRD AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10016

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/899,302
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/378,900
FILING DATE:
CLASSIFICATION:
APPLICATION NUMBER: 08/256,568
FILING DATE: 18-JUL-1994
APPLICATION NUMBER: PCT/EP93/03325
FILING DATE: 26-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 31-AUG-1993
APPLICATION NUMBER: EP/92/403,222.0
FILING DATE: 27-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 410.004
TELEPHONE: (212) 661-8000
TELEFAX: (212) 661-8002
INFORMATION FOR SEQ ID NO: 79:
SEQUENCE CHARACTERISTICS:
LENGTH: 177 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
CLONE: be96
POSITION IN GENOME:
MAP POSITION: 5' untranslated region
US-09-899-302-79

Query Match 66.7%; Score 12; DB 9; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 26 GGGGTCCTGGAG 15
||||:||||

RESULT 196
US-09-899-302-80/c
Sequence 80, Application US/09899302
Patent No. US20020168626A1
GENERAL INFORMATION:
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
TITLE OF INVENTION: ISOLATES
NUMBER OF SEQUENCES: 97
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIERMAN & MUSERLIAN
STREET: 600 THIRD AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10016
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII

ATTORNEY/AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 410.004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 661-8000
TELEFAX: (212) 661-8002
INFORMATION FOR SEQ ID NO: 67:
SEQUENCE CHARACTERISTICS:
LENGTH: 177 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cdna
IMMEDIATE SOURCE:
CLONE: gb48
POSITION IN GENOME:
MAP POSITION: 5' untranslated region
SEQUENCE DESCRIPTION: SEQ ID NO: 67:
US-09-899-044-67

Query Match 66.7%; Score 12; DB 10; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
||||:||||
Db 26 GGGGTCTCGAG 15

RESULT 199

US-09-899-044-68/c
; Sequence 68, Application US/09899044
; Publication No. US20030036053A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/899,044
; FILING DATE: 06-Jul-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/378,900
; FILING DATE: <Unknown>
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 68:

SEQUENCE CHARACTERISTICS:
LENGTH: 177 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cdna
IMMEDIATE SOURCE:
CLONE: gb116
POSITION IN GENOME:
MAP POSITION: 5' untranslated region
SEQUENCE DESCRIPTION: SEQ ID NO: 68:
US-09-899-044-68

Query Match 66.7%; Score 12; DB 10; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
||||:||||
Db 26 GGGGTCTCGAG 15

RESULT 200

US-09-899-044-69/c
; Sequence 69, Application US/09899044
; Publication No. US20030036053A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/899,044
; FILING DATE: 06-Jul-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/378,900
; FILING DATE: <Unknown>
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 69:
SEQUENCE CHARACTERISTICS:
LENGTH: 177 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cdna
IMMEDIATE SOURCE:
CLONE: gb569

```
; POSITION IN GENOME:
; MAP POSITION: 5', untranslated region
; SEQUENCE DESCRIPTION: SEQ ID NO: 69:
US-09-899-044-69

Query Match      66.7%; Score 12; DB 10; Length 177;
Best Local Similarity 83.3%; Fred. No. 8.3e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
      |||||:||||
Db      26 GGGGTCTTGGAG 15
```

Search completed: October 11, 2005, 02:30:53
Job time : 340.053 secs